LCD TV User Manual

LC32H063D
LC42H063D

HIGH-DEFINITION TELEVISION
TÉLÉVISION À HAUTE DÉFINITION

HIGH-DEFINITION MULTIMEDIA INTERFACE
INTERFACE MULTIMÉDIA HAUTE DÉFINITION

ENERGY STAR

ENVISION Series

www.aoc.com

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This manual provides as an operational guide to user. All statements, technical information, and recommendations in this manual and in any guides or related documents are believed reliable, but the accuracy and completeness thereof are not guaranteed or warranted, and they are not intended to be, nor should they be understood to be, representations or warranties concerning the products described.

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Important Information

WARNING

This symbol is intended to alert the user to the presence of insinuated “dangerous voltage” within the TV’s enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

This symbol is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the TV.

To reduce the risk of fire or electric shock, do not expose this TV to rain or moisture, the TV shall not be exposed to dripping or splashing and no objects filled with liquids, such as vases, shall be placed on the TV.

CAUTION

To prevent electric shock, do not use this polarized AC plug with an extension cord, receptacle or other outlet unless the blades can be fully inserted to prevent blade exposure.

Use the Wall-Mount bracket or TV stand which was recommended by AOC, and please consult your dealer for detailed information.

Use with other Wall-Mount Bracket or TV stand may cause instability and possibly result in injury.

NOTIFICATION

FCC Class B Radio Frequency Interference Statement
Warning: (For FCC CERTIFIED MODELS)
This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.
However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/ TV technician for help.

Pursuant to FCC regulations, you are cautioned that any changes or modifications not expressly approved in this manual could void your authority to operate this equipment.

For details concerning safety precautions, see “Important Safety Instructions” and “Important Usage Instructions” below.

SAFETY: Lamp Disposal
Hg LAMP(S) INSIDE THIS PRODUCT CONTAIN MERCURY AND MUST BE RECYCLED OR DISPOSED OF ACCORDING TO LOCAL, STATE OR FEDERAL LAWS. FOR MORE INFORMATION, CONTACT THE ELECTRONIC INDUSTRIES ALLIANCE AT WWW.EIAE.ORG.

Energy Star

Please keep the factory default settings as shipped, in which the product can meet Energy Star requirements.

Important Safety Information

1) Read these instructions.
2) Keep these instructions.
3) Heed all warnings.
4) Follow all instructions.
5) Do not use this apparatus near water.
6) Clean only with a dry cloth.
7) Do not block any the ventilation openings. Install in accordance with the manufacturer’s instructions.
8) Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
9) Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and third grounding prong. The wide blade or third prong is provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
10) Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
11) Only use attachments/accessories specified by the manufacturer.
12) Use only with a cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.

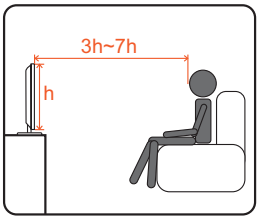
13) Unplug this apparatus during lightning storms or when unused for long periods of time.
14) Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.
15) If any liquid or solid object should fall inside the cabinet, unplug the TV immediately and have it checked by qualified service personnel before operating it further.
16) Avoid operating the TV at temperatures below 32°F (0°C).
17) If the TV is transported directly from a cold to a warm location, or if the room temperature changes suddenly, the picture may be blurred or show poor color due to moisture condensation. In this case, please wait a few hours to let the moisture evaporate before turning on the TV.
18) The TV shall be connected to a mains socket outlet with a protective earthing connection.
19) The mains plug or appliance coupler is used as the disconnect device, the disconnect device shall remain readily operable.
20) CAUTION – These servicing instructions are for use by qualified service personnel only. To reduce the risk of electric shock, do not perform any servicing other than that contained in the operating instructions unless you are qualified to do so.

Usage Instructions

Installation

Placement

It is recommended to watch the TV at a distance of 3 -7 times which of the screen height, and in moderate brightness. Watching the TV for too long or in a dark room may cause eye fatigue. To obtain a clear picture, do not expose the screen to direct illumination or direct sunlight. It is recommended to use spot lighting directed down from the ceiling or to cover the windows that face the screen with opaque drapery. It is desirable to install the TV in a room where the floor and walls are not of a reflective material.



To prevent the TV from toppling over and causing injury, take measurement to secure the TV to a wall or stand.

The TV should be installed near an easily accessible AC power outlet.

Observe the following in placing the TV. Otherwise the TV may fall from the stand or Wall-Mount, causing damage or serious injury.

- Place the TV on a stable, level surface.
- Do not hang anything on the TV. Do not allow children to climb on the TV.
- Do not install the TV in places subject to extreme temperatures, such as in direct sunlight, near a radiator, or near a heating vent or exposed to direct air conditioning.
- Never place the TV in hot, oily, humidor excessively dusty places.
- Do not install the TV where insects may enter.
- Do not install the TV where it may be exposed to mechanical vibration.
- Do not install the TV in a location where it may protrude, such as on or behind a pillar, or where you might bump your head on it. Otherwise, it may result in injury.

Outdoor Use

Do not install this TV outdoors. If the TV is exposed to rain, it may result in a fire or an electric shock. Do not expose the TV to direct sunlight, it may heat up and become damaged.

Vehicle, Ships and Other Vessels

- Do not install this TV in a vehicle.
- Bumping of the vehicle may cause the TV to fall down and cause injury.
- Do not install this TV in a ship or vessel. If the TV is exposed to seawater, it may cause a fire or damage the TV.

Medical institutions

- Do not place this TV in a place where medical equipment is in use.
- The interference may cause a malfunction of both TV and the medical equipment.

Attachments

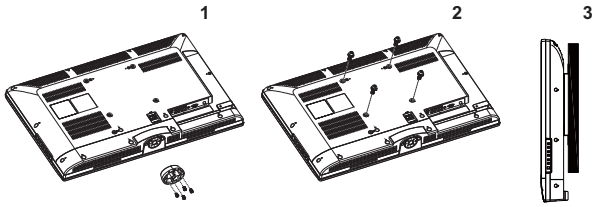
Do not use attachments not recommended by the manufacturer, as they may cause hazards.

Wall-Mount

Wall-Mount installation requires the use of a Wall-Mount Bracket. When installing or removing the TV, using a Wall-Mount Bracket, be sure to use qualified contractors. If not properly secured during installation or removal from the Wall-Mount Bracket, the TV may fall and cause serious injury.

For use only with UL Listed Wall Mount Bracket with suitable weight/ load. Please refer to page 38.

Observe the following when installing the TV using a Wall-Mount bracket.



- Be sure to follow the operating instructions supplied with the Wall-Mount bracket when installing the TV.
- Be sure to attach the brackets supplied with the Wall-Mount bracket.
- Don't hang the TV from the ceiling. It may fall and cause serious injury.

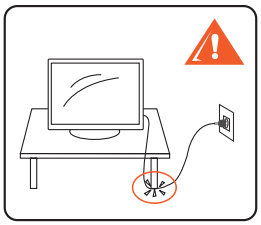
AC Power Cable

- Use the AC power cord specified by AOC and suitable for the voltage where you use it.
- The plug is designed, for safety purposes, to fit into the wall outlet only one way. If you are unable to insert the plug fully into the outlet, contact your dealer.
- If you will not be using the TV for several days, disconnect the power by pulling the plug itself. Never pull on the cord.
- When disconnecting AC power cord, the power cord should be easily accessible for disconnection.

TV should be installed near an easily accessible power outlet. Do not use a poor fitting outlet. Insert the plug fully into the outlet. If it is loose, it may cause arcing and result in a fire. Contact your electrician to have the outlet changed.

Observe the followings to prevent the AC power cord from being damaged. If the AC power cord is damaged, it may result in a fire or an electric shock. Stop using it and ask your dealer or AOC service center to exchange it.

- Do not place the TV where the power cord is subject to wear or abuse.
- Do not pinch, bend, or twist the cord excessively. The core lines may be bared and cut, causing a short-circuit, and resulting in a fire or an electric shock.



- Do not convert or damage the power cord.
- Do not allow anything to rest on or roll over the power cord.
- Do not move the TV with the power cord plugged in.
- Keep the power cord away from heat sources.
- To unplug power cord, disconnect it from the wall outlet first.
- Be sure to grasp the plug when disconnecting the power cord.
- Do not pull the power cord.
- Do not use the supplied AC power cord on any other equipment.
- Use only an original AOC AC power cord, not other brands.

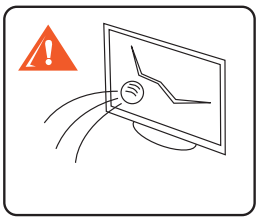
LCD Screen

- Although the LCD screen is made with high-precision technology and has effective pixels of 99.99% or more, black dots or bright points of light (red, blue, or green) may appear constantly on the LCD screen. This is a structural property of the LCD panel and is not a malfunction.
- The LCD screen is made with high-precision technology and to achieve a high level of performance and picture quality, this TV's backlight setting is set to maximize the brightness of the TV. However, uneven brightness may be observed when the LCD TV is viewed in a dark ambient without an input source or a blank screen. This condition is normal and not a malfunction of the TV. Changing the Picture mode, Backlight setting, enabling the Light Sensor, or turning on the Power management will improve this condition.
- Do not expose the LCD screen surface to direct sunlight. Doing so may damage the LCD panel.
- Do not push or scratch the LCD screen, or place objects on top of the TV. The image may be uneven or the LCD panel may be damaged.
- If the TV is used in a cold place, a smear may occur in the picture or the picture may become dark. This does not indicate a failure. These phenomena improve as the temperature rises.
- Ghosting may occur when still pictures are displayed continuously. It should disappear after a few moments.
- The screen and cabinet get warm when the TV is in use. This is not a malfunction.
- Avoid spraying insect repellent with volatile material on the screen.
- Avoid prolonged contact with rubber or plastic material.

Broken Pieces

Do not throw anything at the TV. The screen glass may break by the impact and cause serious injury.

If the surface of the TV cracks, do not touch it until you have unplugged the AC power cord. Otherwise electric shock may result.

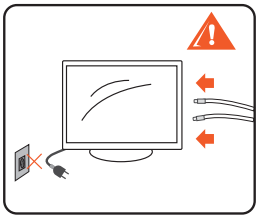


Handling of broken glass and liquid crystal leakage

If the LCD panel gets damaged, crystalline liquid leakage may occur, or scattered broken glass may result. Do not touch broken glass or crystalline liquid which is toxic, with bare hands as cuts, poisoning or skin irritation may occur. Also, do not let glass fragments or leaked crystalline liquid get into your eyes or mouth. Should either contact your eyes or mouth, rinse the contacted area thoroughly with water and consult your doctor.

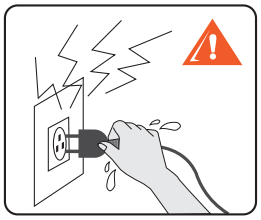
Wiring

When connecting cables, be sure to unplug the AC power cord for your safety. Take care not to catch your feet on the cables. It may damage the TV set.



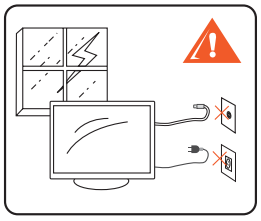
Electric Shock

Do not touch the AC power cord or the TV with a wet hand. If you plug/unplug the AC power cord from the TV with a wet hand, it may cause electric shock.



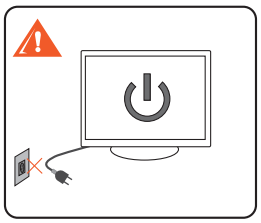
Lightning Storms

For added protection for this TV during a lightning storm, or when it is left unattended and unused for long periods of time, unplug it from the wall outlet and disconnect the antenna. This will prevent damage to the TV due to lightning and power line surges.



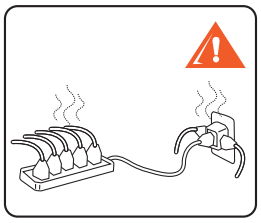
When Not in Use

If you will not be using the TV set for several days, the TV set should be disconnected from the AC power outlet for environmental and safety reasons. The TV set is not disconnected from the AC power source when the TV set is switched off. To disconnect the TV set completely, pull the plug from the AC power outlet.



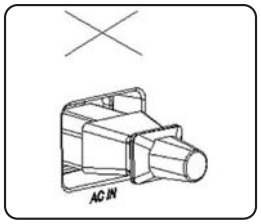
Overloading

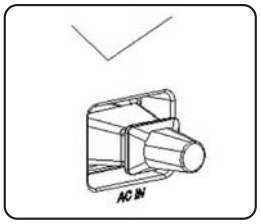
This TV set is designed to operate on a 120 V AC supply only. Take care not to connect too many appliances to the same AC power outlet as this could result in a fire or an electric shock.



Plug the Power Cable on the TV Set

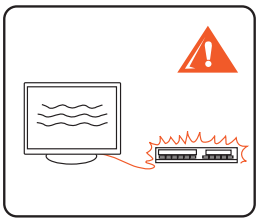
When you connect the power cable on your TV set, please make sure that the power cable was connected well.





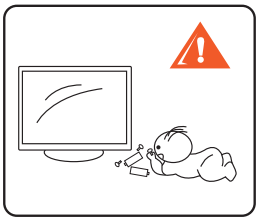
Optional Equipment

Do not install optional equipment too close to the TV set. Keep optional equipment at least 11.875 inches (30 cm) away from the TV set. If a VCR is installed in front of the TV set or beside the TV set, the picture may become distorted. Picture distortion and/or noisy sound may occur if the TV set is positioned in close proximity to any equipment emitting electromagnetic radiation.



Small Accessories

Keep small accessories out of children's reach.



Antennas

Outdoor antenna grounding

If an outdoor antenna is installed, follow the precautions below.

An outdoor antenna system should not be located in the vicinity of overhead power lines or other electric light or power circuits, or where it can come in contact with such power lines or circuits.

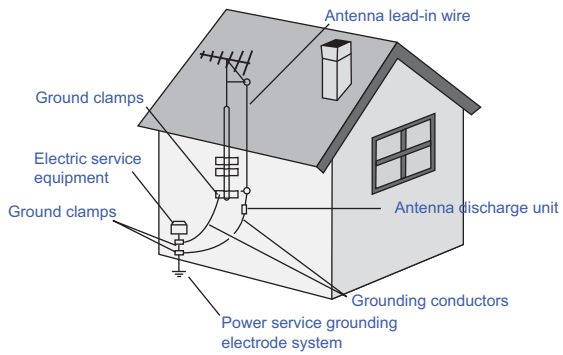
WHEN INSTALLING AN OUTDOOR ANTENNA SYSTEM, EXTREME CARE SHOULD BE TAKEN TO KEEP FROM CONTACTING SUCH POWER LINES OR CIRCUITS AS CONTACT WITH THEM IS ALMOST INVARIABLY FATAL.

Be sure the antenna system is grounded so as to provide some protection against voltage surges and built-up static charges.

Section 810 of the National Electrical Code (NEC) in USA and Section 54 of the Canadian Electrical Code in Canada provides information with respect to proper grounding of the mast and supporting structure, grounding of the lead-in wire to an antenna discharge unit, size of grounding conductors, location of antenna discharge unit, connection to grounding electrodes, and requirements for the grounding electrode.

Antenna grounding according to the National Electrical Code, ANSI/NFPA 70.

Antenna lead-in wire

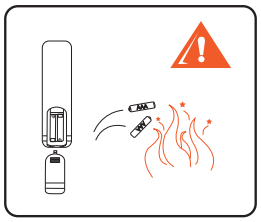


Batteries

- Do not dispose of batteries in a fire.
- Do not short circuit, disassemble or overheat the batteries.
- Danger of explosion if battery is incorrectly replaced. Replace only with the same or equivalent type.
- The batteries (batteries installed) shall not be exposed to excessive heat such as sunshine, fire or the like.

Disposal of used batteries

To preserve our environment, dispose of used batteries according to your local laws or regulations.



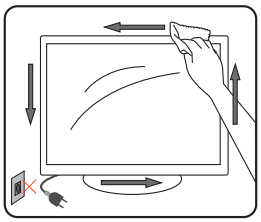
Cleaning

Cleaning the AC power plug

Unplug the AC power plug and clean it regularly. If the plug is covered with dust and it picks up moisture, its insulation may deteriorate and result in a fire.

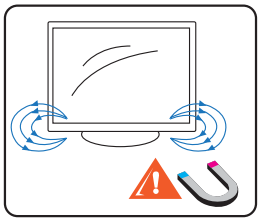
Cleaning the screen surface/ cabinet of the TV set

- Unplug the AC power cord to avoid electric shock when cleaning.
- Clean the cabinet of the TV with a dry soft cloth. To remove dust from the screen, wipe it gently with a soft cloth. Stubborn stains may be removed with a cloth slightly dampened with a solution of mild soap and warm water. Never use strong solvents such as thinner or benzine for cleaning.
- If using a chemically pretreated cloth, please follow the instruction provided on the package.
- The ventilation holes can accumulate dust over time. To ensure proper ventilation, we recommend removing the dust periodically (once a month) using a vacuum cleaner.



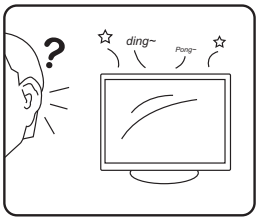
Magnetic Influence

This TV contains a strong magnet in the speaker unit that generates a magnetic field. Keep any items susceptible to magnetic fields away from the speaker.



Sound

If a snapping or popping sound from the TV is continuous or frequent while the TV is operating, unplug the TV and consult your dealer or service technician. It is normal for some TV's to make occasional snapping or popping sounds, particularly when being turned on or off.

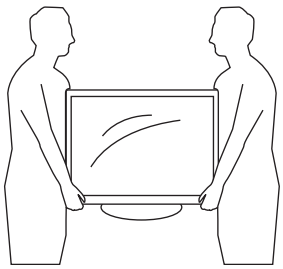


Carrying the TV

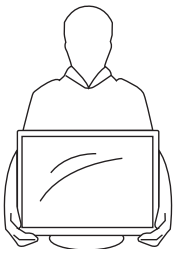
Carry the TV in the specified manner

To avoid dropping the TV and causing serious injury, be sure to follow these guidelines:

- Before carrying the TV, disconnect all cables.
- Carrying the large size TV requires two or more people.
- When you carry the TV, place your hand as illustrated and hold it securely. Do not put stress on the LCD panel.



- When lifting or moving the TV, hold it firmly from the bottom. Place your palm directly under the panel.



- When carrying, do not subject the TV to shocks or vibration, or excessive force.

Ventilation

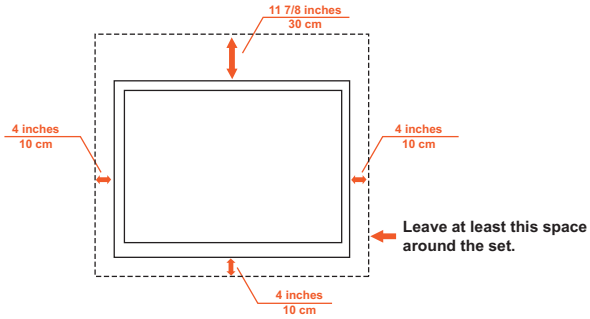
The slots and openings in the TV are provided for necessary ventilation. To ensure reliable operation of the TV and to protect it from overheating, these slots and openings must never be blocked or covered.

Unless proper ventilation is provided, the TV may gather dust and get dirty. For proper ventilation, observe the following:

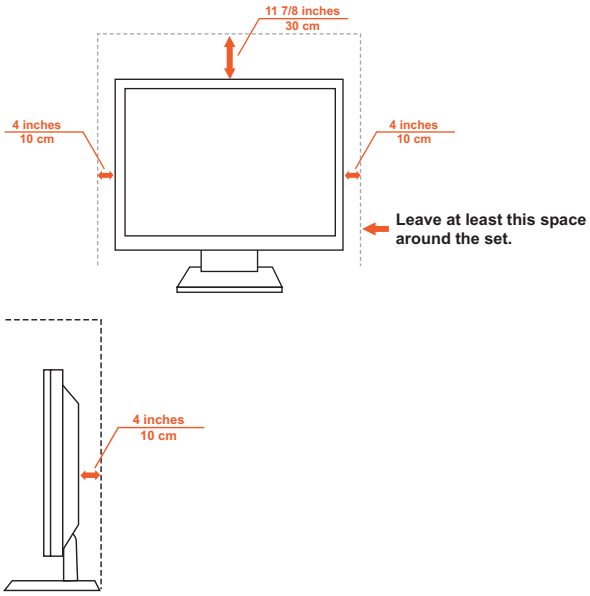
- Do not install the TV face up, down or sideways.
- Do not install the TV turned over or upside down.
- Never cover the slots and openings with a cloth or other materials.
- Never block the slots and openings by placing the TV on a bed, sofa, rug or other similar surface.
- Never place the TV in a confined space, such as a bookcase or built-in cabinet, unless proper ventilation is provided.

Leave some space around the TV set as shown below. Otherwise, air-circulation may be inadequate and will cause overheating, which may cause a fire or damage to the TV set.

Install on the wall



Installed with stand



Never install the TV set where Air circulation is blocked.

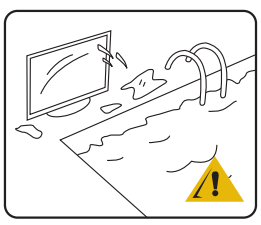
Objects and ventilation holes

Never push objects of any kind into the TV through the cabinet slots as they may touch dangerous voltage points or short out parts that could result in a fire or an electric shock. Do not place any objects on the TV.

Moisture

Moisture and flammable objects

- The TV must not be exposed to dripping or splashing. Do not place objects filled with liquids, such as vases, on the TV.
- Do not use power-line operated TV sets near water— for example, near a bathtub, washbowl, kitchen sink, or laundry tub, in a wet basement, or near a swimming pool, etc. It may result in a fire or an electric shock.
- Do not let this TV get wet. Never spill liquid of any kind on the TV. If any liquid or solid object does fall through, do not operate the TV. It may result in electric shock or damage to the TV. Have it checked immediately by qualified personnel.
- To prevent fire, keep flammable objects or open flame (e.g. candles) away from the TV.



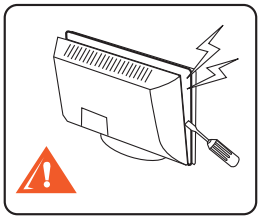
Volume Adjustment

Adjust the volume so as not to trouble your neighbors. Sound carries very easily at night. Therefore, closing the windows or using headphones is suggested.

When using headphones, adjust the volume so as to avoid excessive levels, as hearing damage may result.

Servicing

Do not attempt to service the TV by yourself since opening the cabinet may expose you to dangerous voltage or other hazards. Refer all servicing to qualified service personnel.



Replacement Parts

When replacement parts are required, be sure the service technician certifies in writing that he/she has used replacement parts specified by the manufacturer that have the same characteristics as the original parts.

Unauthorized substitutions may result in a fire, an electric shock or other hazards.

Safety Check

Upon completion of any service or repairs to the TV, ask the service technician to perform routine safety checks (as specified by the manufacturer) to determine that the TV is in safe operating condition, and to so certify. Ask a qualified service technician to dispose of the TV.

Thank you for purchasing this AOC high-definition television. The quality of the image you see on your AOC TV is only as good as the quality of the signal it receives. To experience the stunning detail of your new AOC TV, you need access to HD programming. Your AOC TV can receive and display HD programming from:

- Over-the-air broadcasting via HD-quality antenna
- HD cable subscription
- HD satellite subscription
- Blu-ray Disc™ player or other external equipment

Contact your cable or satellite provider for information on upgrading to HD programming.

Mobile telephone warning

To avoid disturbances in picture and sound, malfunctioning of your TV or even damage to the TV, keep away your mobile telephone from the TV.

End of life directive

We are paying a lot of attention to produce environmental friendly in green focal areas.

Your new receiver contains materials, which can be recycled and reused.

At the end of its life, specialized companies can dismantle the discarded receiver to concentrate the reusable materials and to minimize the amount of materials to be disposed of.

Please ensure you dispose of your old receiver according to local regulations.

Dolby License Notice and Trademark Acknowledgement

Manufactured under license from Dolby Laboratories.
Dolby and the double-D symbol are trademarks of Dolby Laboratories.

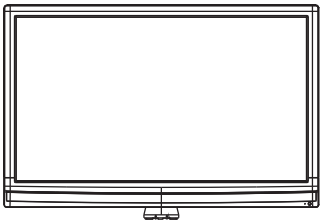
is a trademark of SRS Labs, Inc.
TruSurround HD technology is incorporated under license from SRS Labs, Inc.

Canadian notice

This Class B digital apparatus meets all requirements of the Canadian Interference Causing Equipment Regulations.

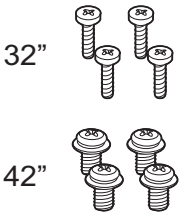
Contents in the Box

After unpack the TV box, please check the TV and all accessories are well presented and undamaged.

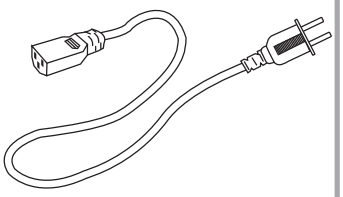


AOC LCD TV

Base



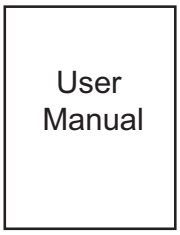
Screw x 4
To fix stand to base



Power Cable

Remote Control

AA Battery x 2

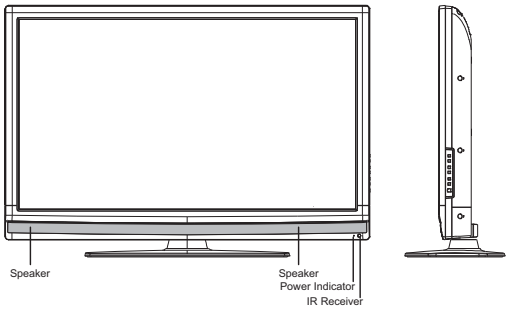


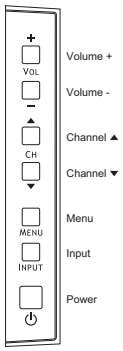
User Manual

Quick Start Guide

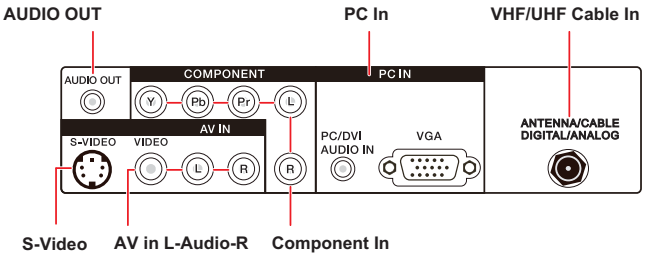
Warranty Card

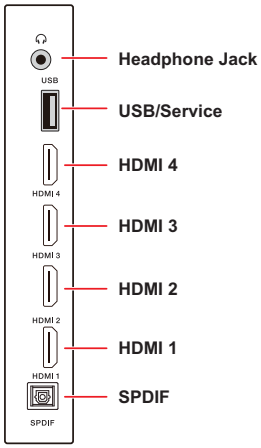
Controls & Connections

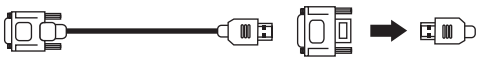




1.	VOL +	Press to increase the sound volume level.
2.	VOL -	Press to decrease the sound volume level.
3.	CH ▲	Press to select the next higher program number.
4.	CH ▼	Press to select the next lower program number.
5.	MENU	Press to open or exit the OSD (on-screen display) menu.
6.	INPUT	Press to select the input source.
7.	Power	Press to turn on / off (standby) the TV set.





Item	Description
Headphone Jack	Connects to your headphones. If your headphones do not match the jack, use a suitable plug adapter (not supplied). While headphones are connected, the TV speakers are muted.
SPDIF* (Optical Digital Audio Out)	Connect an external sound system with optical cable to the SPDIF out jack on the back of your TV to the SPDIF IN jack and to the amplifier or receiver.
AV IN (AV/S-VIDEO) / L-AUDIO-R	Connects to the COMPOSITE VIDEO output or S-Video output jack from your video equipment that has COMPOSITE or S-Video VIDEO, and audio (L/R) jacks can connect audio source to your TV. When connected, S-Video will take priority over Composite video (Yellow jack).
USB/Service	Insert USB storage device to the USB 2.0 port to view photos (JPEG only) or for Time Shift feature.
S-VIDEO Input	Connects to the S-VIDEO output jack on your camcorder or other video equipment that has S-VIDEO. The S-VIDEO provides better picture quality than composite video. The audio input connector was shared with COMPOSITE VIDEO IN.
HDMI IN 1/ 2 / 3 / 4	HDMI (High-Definition Multimedia Interface) provides an uncompressed, all-digital audio/video interface between this TV and any HDMI-equipped audio/video equipment, such as a set-top box, DVD player, Blu-ray Disc player, A/V receiver as well as PC. HDMI supports enhanced, or high-definition video, plus digital audio. If the equipment has a DVI jack, connect the DVI jack to the HDMI IN (with DVI-to-HDMI cable or adapter) jack, and connect the audio jack to the PC AUDIO IN jacks of HDMI IN. (HDMI 1 only)  DVI-to-HDMI cable DVI-to-HDMI adapter HDMI connection is necessary to view 480i, 480p, 720p, 1080i and 1080p formats. Be sure to use only an HDMI cable that bears the HDMI logo.
PC IN (RGB/AUDIO)	Connects to a personal computer's video output connector using HD15-HD15 cable (analog RGB). Can also be connected to other analog RGB equipment. See "PC Input Signal Reference Chart" on page 15 for the signals that can be displayed. For some Apple Macintosh computers, it may be necessary to use an adapter (not supplied). If this is the case, connect the adapter to the computer before connecting the HD15-HD15 cable. If the picture is noisy, flickering or not clear, adjust Phase and Pitch of Screen settings.
Component IN (1080p/1080i/ 720p/480p/480i)/ L-AUDIO-R	Connects to your TV's component video (YPbPr) and audio (L/R) jacks. Component video provides better picture quality than the S-VIDEO or the composite video connections. Component video (YPbPr) connection is necessary to view 480i, 480p, 720p, 1080i and 1080p formats.
VHF/UHF/Cable Input	RF (Radio Frequency or modulated signal design used as the carrier for television broadcasts.) input that connects to your Cable or VHF/UHF antenna.

*** SPDIF**

Sony/Philips Digital Interconnect Format. S/PDIF is mostly used to transmit compressed multichannel audio from a media player to an amplifier/receiver.

Buttons located at the right side of the TV will operate the same as these buttons on the remote control.

Button		Description
POWER		Press to turn on and off the TV or target controlled device.
SET		Set device code for the device which you want to control.
TV/DVD/STB/ AUX		Press TV, DVD, STB, or AUX to switch the device which you want to control.
TV/ AV/ COMP/ HDMI/PC		Press TV, AV, COMP or HDMI/PC separately to select the input directly.
0-9		Press 0-9 to select a channel; the channel changes after two seconds.
LAST		Press to go back to the previous TV channel or exit from the OSD when displaying menu items and settings.
VOL +/-		Press to adjust the volume.
INPUT		Press to display the list of External Inputs and TV mode. Press repeatedly to toggle through the inputs.
—		Use with 0-9 buttons to select digital channels. For example, to enter 2-1, press 2 — 1.
MUTE		Press to mute the sound. Press again or press VOL to restore the sound.
CH +/-		Press to scan through channels. To scan quickly through channels, press and hold down either + or -.
	▲/▼/◀/▶	Move left, up, down or right to select the available option or adjust the setting in OSD menu.
	OK/ENTER	Press to confirm the selected item or setting.
MENU		Press to display or close a list of convenient functions and menu shortcuts. The OSD (On Screen Display) menu items vary based on input and content.
EXIT		Press to close a list of convenient functions and menu shortcuts. The OSD (On Screen Display) menu items vary based on input and content.
INFO		Press once to display the information pertaining to the channel and/or program when available. The OSD (On Screen Display) will time out in a few seconds or press again to immediately turn off the display.
ADD FAV		Press to add channel to Favorite List.
FAV		Press to display the Favorite Channel List.
GUIDE		Press to display digital program guide in TV mode. It may show current channel name, program name, time, rating, and summaries, depending on the information provided by the broadcaster.
WIDE		Press repeatedly to step through the Wide Mode settings: Normal Mode, Wide mode, Zoom 1 Mode, Zoom 2 Mode, and HDMI PC mode (Only available in HDMI Input).
PHOTO		Switch the JPEG Viewer Function.
SLEEP		Press repeatedly to cycle through the available sleep timer, 5, 10, 15, 30, 60, 90, 120 180 and 240 minutes to turn off TV automatically.
PICT		Press repeatedly to cycle through the available picture modes: Vivid, Standard, Eco, Movie and Personal. The picture modes can also be accessed in the Picture settings. For details, see section- Adjust Picture Setting.
AUDIO		Press repeatedly to cycle through the available sound modes: Music, Speech and Personal. The sound modes can also be accessed in the Sound settings. For details, see section- Adjust Audio Setting.

Button		Description
	CC	Press repeatedly to change the closed caption type as CC Off / CC On / CC On With Mute.
	Play	Execute “Play” function on DVD or other devices. When your controlled device is TV, there is no function.
	Pause	Execute “Pause” function on DVD or other devices. When your controlled device is TV, there is no function.
	Stop	Execute “Stop” function on DVD or other devices. When your controlled device is TV, there is no function.
	Replay	Execute “Replay” function on DVD or other devices. When your controlled device is TV, there is no function.
	Rewind	Execute “Rewind” function on DVD or other devices. When your controlled device is TV, there is no function
	Fast Forward	Execute “Fast Forward” function on DVD or other devices. When your controlled device is TV, there is no function.
	Skip Forward	Execute skip ahead in your program.
	PVR/LIST	Execute “PVR/LIST” function on STB device. When your controlled device is TV, there is no function.
	Record	Execute “Record” function on STB device. When your controlled device is TV, there is no function.

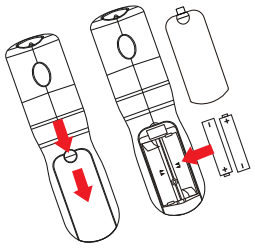
*** Sleep**

You can set a time period for which the TV will be turned off automatically.

Set-Up

Inserting Batteries into the Remote control

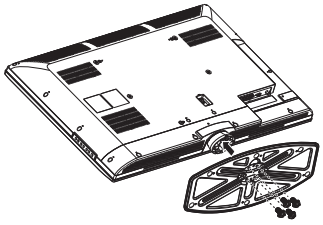
Insert two size AA batteries (supplied) to the diagram inside the battery compartment of the remote control.



Attaching the Base

IMPORTANT: The Base of the AOC LCD TV must be assembled prior to usage.

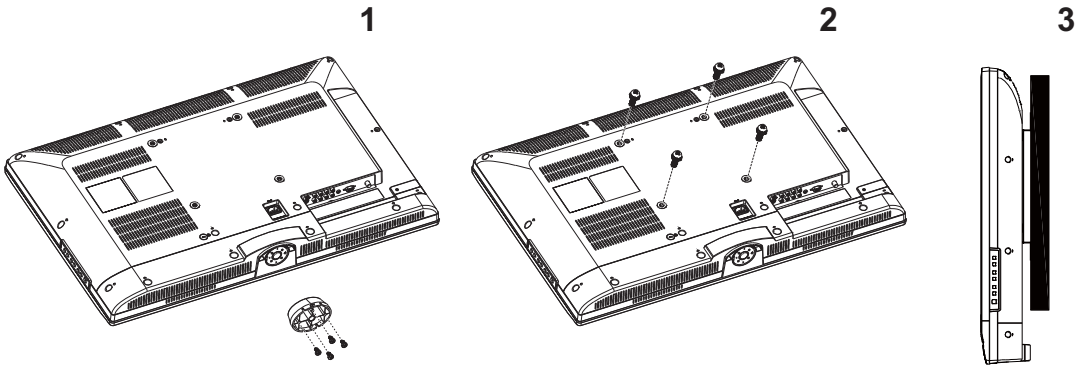
1. Place the TV set facing down on a soft and flat surface (blanket, foam, cloth, etc.) to prevent any damage to TV set.
2. Carefully align and insert the Base to the stand
3. Secure the screws on the bottom of the base.
4. Please refer to the “Important Usage instructions” in the above.



Wall-Mounting

Please install on a wall by using a Wall-Mount Bracket (sold separately). Before mounting the TV on a wall, the Stand must be removed from the TV. Follow the simple steps below to remove the Table-Top Stand:

1. Disconnect all the cables from the TV.
2. Gently lay the TV, face down, onto a level and stable surface covered with a thick and soft cloth. Make sure the Stand is hanging over the edge.
3. Remove the screws as shown in the illustration for your model and pull the Stand out.
4. Do not remove any other screws from the TV.
5. Do not remove the Stand for any reason other than to Wall-Mount the TV.
6. Be sure to store the removed screws and Stand in a safe place until you are ready to reattach the Stand. Keep the screws away from small children.
7. For bracket installation, refer to the instruction guide provided by the Wall-Mount Bracket model for your TV. Sufficient expertise is required in installing this TV, especially to determine the strength of the wall for withstanding the TV’s weight.
8. For product protection and safety reasons, AOC strongly recommends that you use the Wall-Mount Bracket model designed for your TV and the Wall-Mounting of your TV should be performed by AOC dealer or licensed contractor.



Note: Wall mount bracket & screws (Screws length: 10mm and pitch: 0.7mm) are not included.
Please contact your local distributor.

Connecting TV

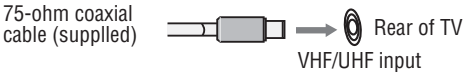
Cable System or VHF/UHF Antenna System

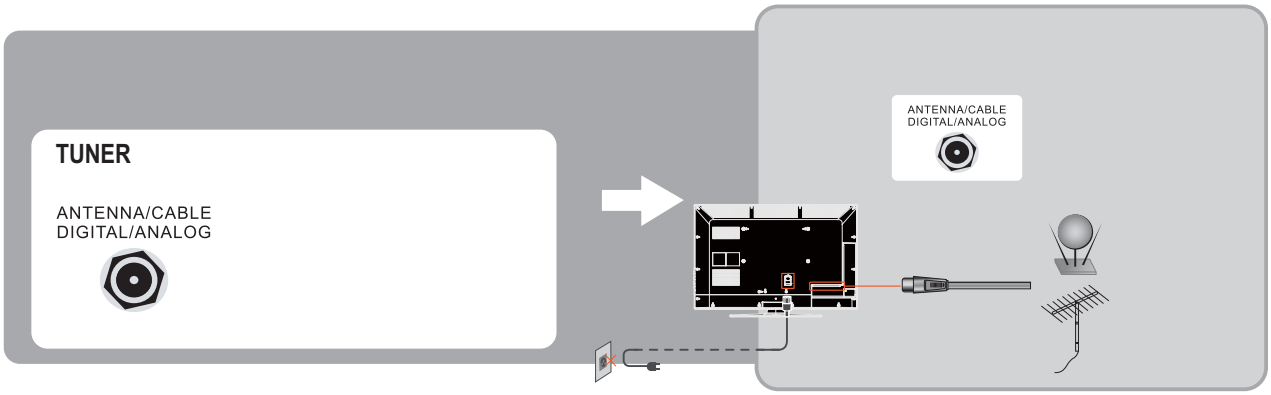
You can enjoy standard-definition and high-definition digital programming (if available in your area), along with standard-definition analog programming.

This TV is capable of receiving unscrambled digital programming for both cable and external VHF/UHF antenna.

It is strongly recommended that you connect the antenna/cable input using a 75-ohm coaxial cable to receive optimum picture quality. A 300-ohm twin lead cable can be easily affected by radio frequency interference, resulting in signal degradation.

Cable or VHF/UHF(or VHF only)

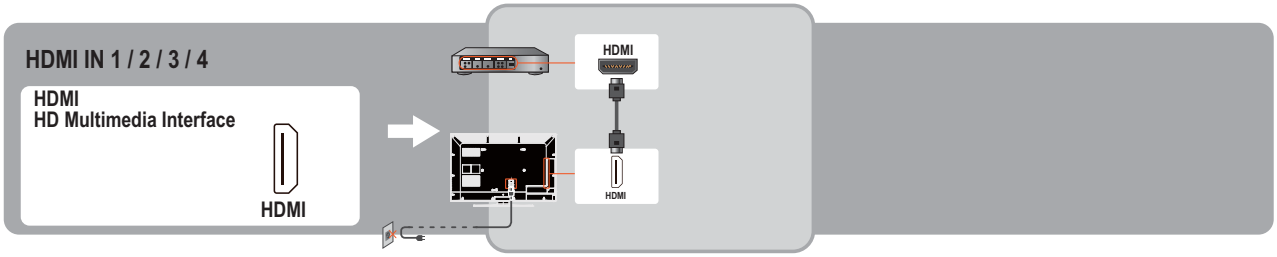




High Definition Interface

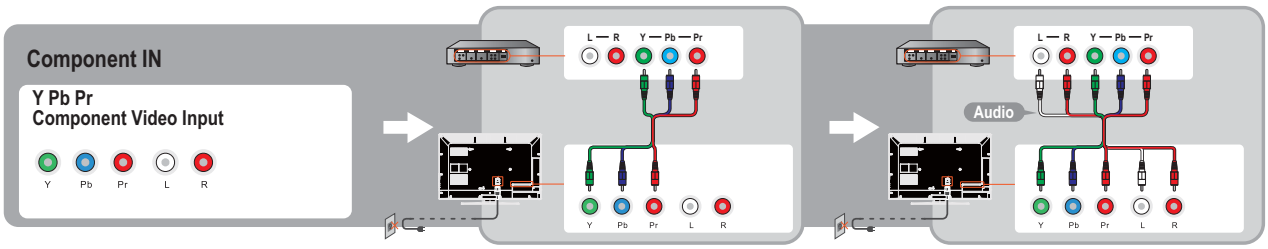
You can enjoy high-definition programming by subscribing to a high-definition cable service or a high-definition satellite service. For the best possible picture, make sure you connect this equipment to your TV via the HDMI or component video (with audio) input on the back of your TV.

HDMI Connection

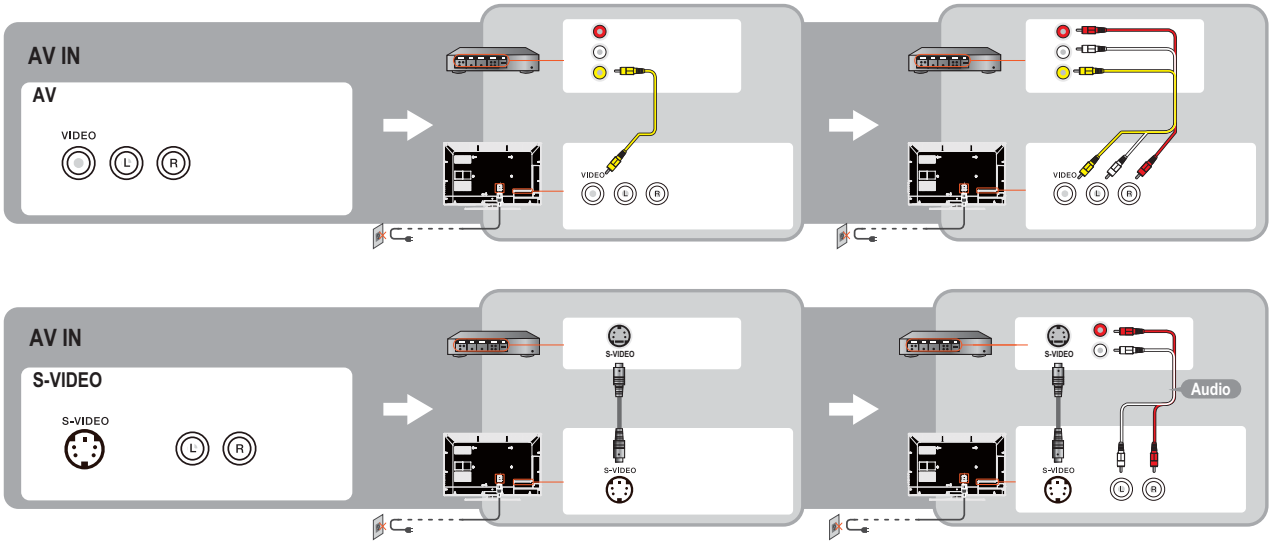


If the equipment has a DVI jack, connect the DVI jack to the HDMI IN (with DVI-to-HDMI cable or adapter) jack and connect the audio jack to the PC AUDIO IN jacks. (Only HDMI1 support DVI audio.)

Component Signal Connection

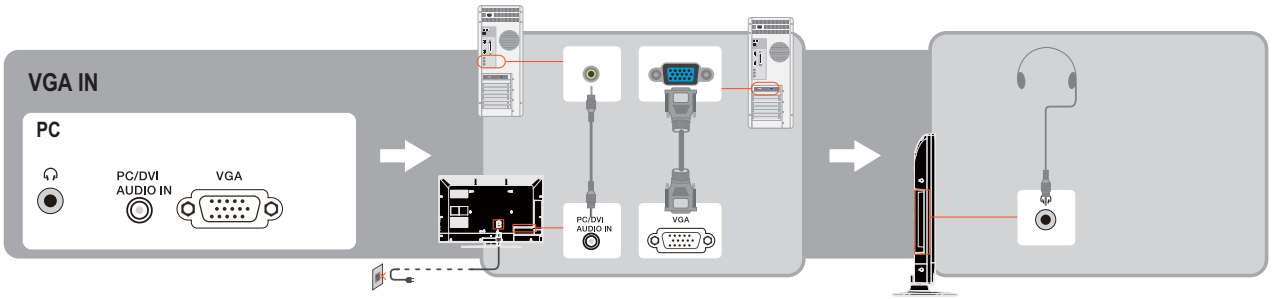


Composite/ S-Video Signal Connection



PC Connection

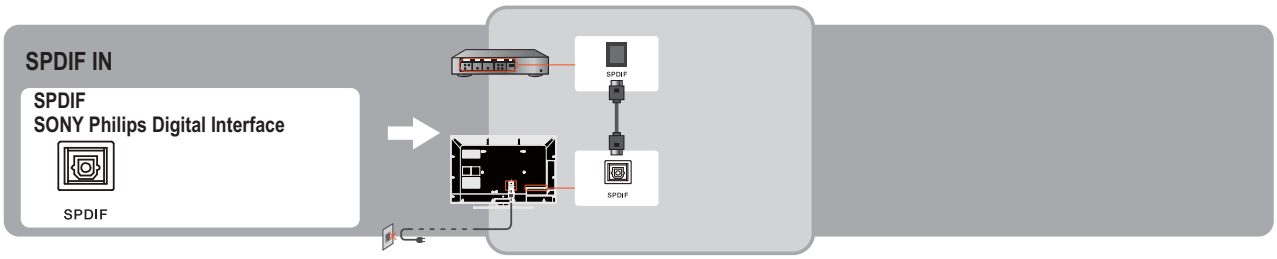
Use the TV as a monitor for your PC shown below with the HD15 to HD15 connection. This TV can also be connected to a PC with DVI or HDMI output. (Refer to the separate Quick Setup Guide.)



- Connect the PC IN jack to the PC using the HD15- HD15 cable with ferrite core (analog RGB) and audio cable.
- If the PC is connected to the TV and no signal has been input from the PC for more than 30 seconds, the TV enters the standby mode automatically.

External sound Connection

- Turn off the AOC LCD TV and Sound Device and connect the Audio Out jack or SPDIF jack on the rear of AOC LCD TV.
- Connect an audio cable to the audio output connectors associated with the Audio Out (R/L) and SPDIF on the TV Set and connect the other end to the audio connectors associated with the Audio input of the External Sound.



PC Input Signal Reference Chart

After connecting the PC to the TV, set the output signal from the PC according to the chart below.

Presetting PC Mode			
Standard	**Resolution**	**Horizontal Frequency (kHz)**	**Vertical Frequency (Hz)**
VESA	640 x 480	31.469	59.94
VESA	800 x 600	37.879	60.317
VESA	1024 x 768	48.363	60.004
VESA	1280 x 720	44.772	59.855
VESA	1280 x 768	47.396	59.995
VESA	1280 x 1024	63.981	60.02
VESA	1440 x 900	55.469	59.901
VESA	1680 x 1050	65.29	59.954
VESA	1920 x 1080	67.5	60

Video Input Signal Reference Chart

After connecting the video input to the TV, set the output signal from the video input according to the chart below.

Presetting Video Mode			
Standard	**Resolution**	**Horizontal Frequency (kHz)**	**Vertical Frequency (Hz)**
SD	480i	15.734	60
SD	480P	31.5	60
HD	720P	45	60
HD	1080i	33.75	60
FHD	1080p	67.5	60

Standard Definition Interface

You can also enjoy traditional program by using a DVD player or VCR Player. Connect this equipment to your TV via the Composite Input or S-Video Input on the back of your TV.

Refer to the Quick Setup Guide (supplied) when connecting other equipment to your TV.

USING AOC TV

Turning the TV On and Off

You can turn on the TV by using power switch button on the TV set or on the remote controller.

Initial Setting

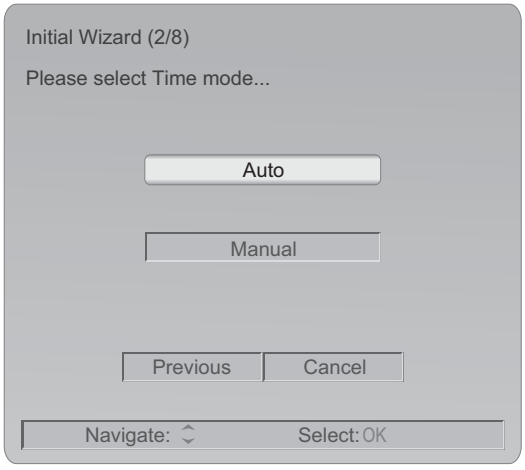
When you first start up this AOC LCD TV set, please follow the Initial Wizard to your AOC LCD TV.

1. Selecting Language

Select your preferred language: English, Spanish or French

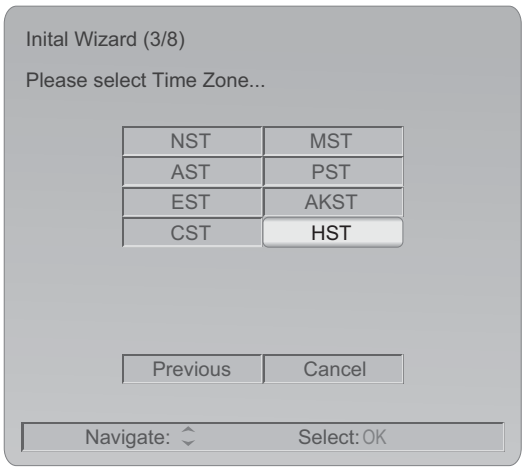
1		Press ▲/▼ to select “Language”, and press **OK/ENTER**.

2. Selecting Time mode



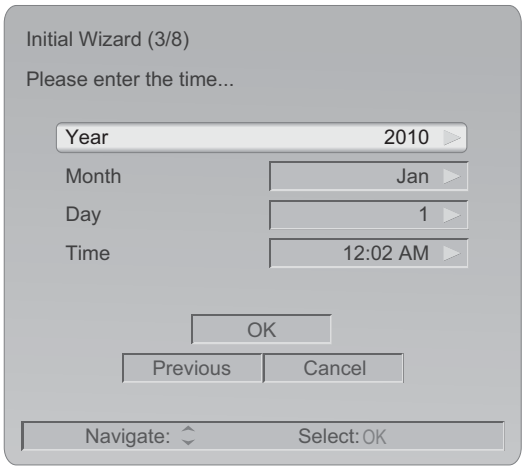
1		Press ▲/▼ to select “Auto” or “Manual” for Time Mode.

A. Selecting Time Zone



1		Press ▲/▼/◄/► to select “Time Zone” which you located then press **OK/ENTER**.

B. Manually enter the time



Year

1		Press ▲/▼ to select “Year” then press **OK/ENTER**.
2		Press ◄/► to adjust then press **OK/ENTER**.

Month

1		Press ▲/▼to select “Month” then press **OK/ENTER**.
2		Press ◄/► to adjust then press **OK/ENTER**.

Day

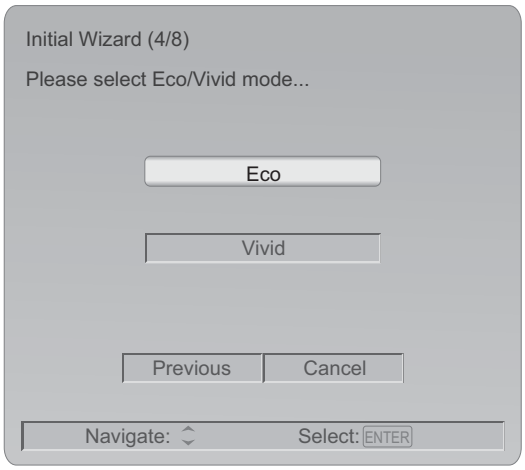
1		Press ▲/▼ to select “Day” then press **OK/ENTER**.
2		Press ◄/► to adjust then press **OK/ENTER**.

Time

1		Press ▲/▼ to select “Time” then press **OK/ENTER**.
2		Press ◄/► to select “Hour”, “Minute” or “AM/PM” then press **OK/ENTER**.
3		Press ▲/▼ to adjust then press **OK/ENTER**.

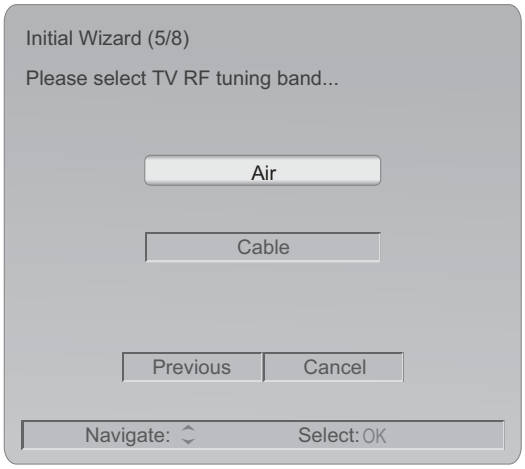
3. Select “Eco” mode or “Vivid” mode

When you turn on TV in the first time, you can choose “Eco” mode to decrease backlight level to save the power consumption or “Vivid” mode to enhance picture contrast and sharpness.



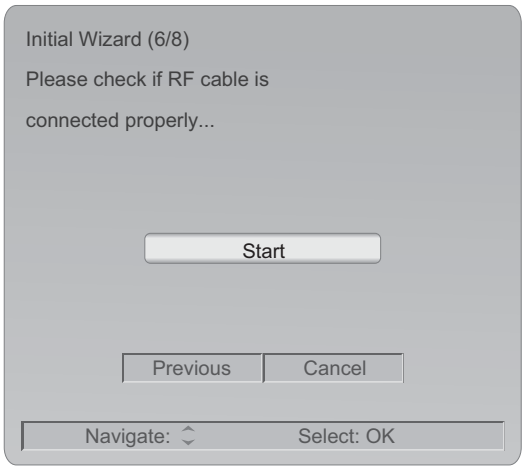
1		Press ▲/▼ to select “Eco” or “Vivid” for display setting.

4. Select TV RF tuning band

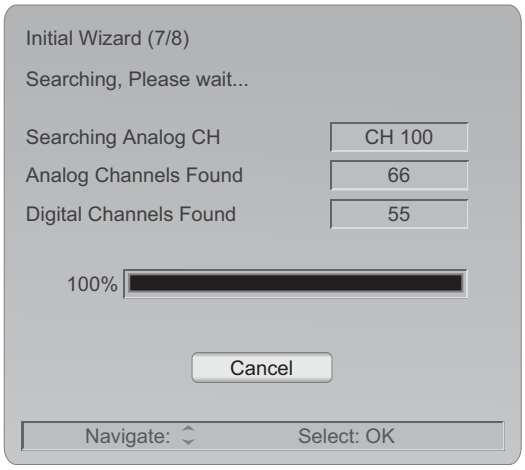


1		Press ▲/▼ to select “Air” or “Cable” for RF Tuning setting. Press **OK/ENTER** will execute channel searching.

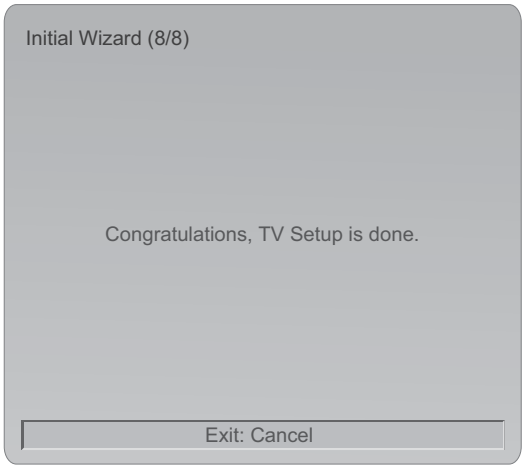
5. Search TV channel



1		Press ▲/▼ to select “Previous” or “Cancel” for RF Tuning setting. Press **OK/ENTER** will execute channel searching.



1		Press ▲/▼ to select “Cancel” for RF Tuning setting. Press **OK/ENTER** will execute cancel the channel searching.

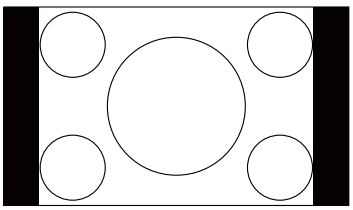


1		Press **EXIT** to exit initial setting wizard.

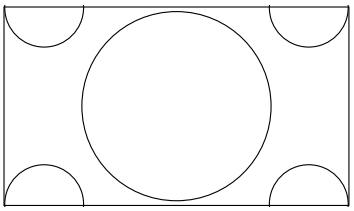
Viewing Mode Selection

For TV input with SD programs

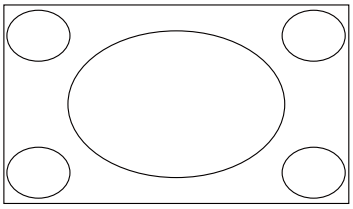
Normal Mode
Suitable for viewing conventional 4:3 programs in their normal format.



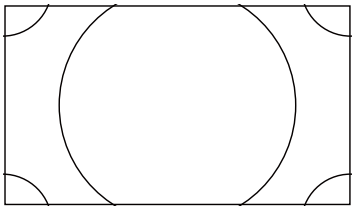
Zoom1 Mode
Use these aspect modes to zoom in and to reduce the black bars.



Wide Mode
The original content in this mode has to fill the entire screen of the display.

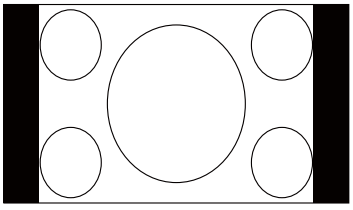


Zoom2 Mode
Use these aspect modes to zoom in and to reduce the black bars.

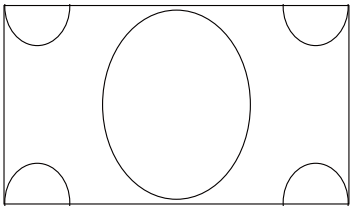


For TV input with HD programs

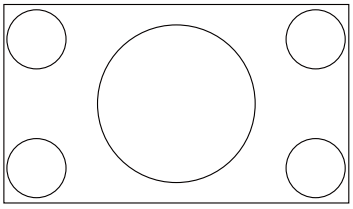
Normal Mode
Suitable for viewing conventional 4:3 programs in their normal format.



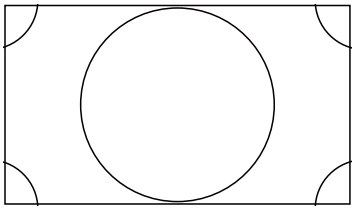
Zoom1 Mode
Use these aspect modes to zoom in and to reduce the black bars.



Wide Mode
The original content in this mode has to fill the entire screen of the display.



Zoom2 Mode
Use these aspect modes to zoom in and to reduce the black bars.



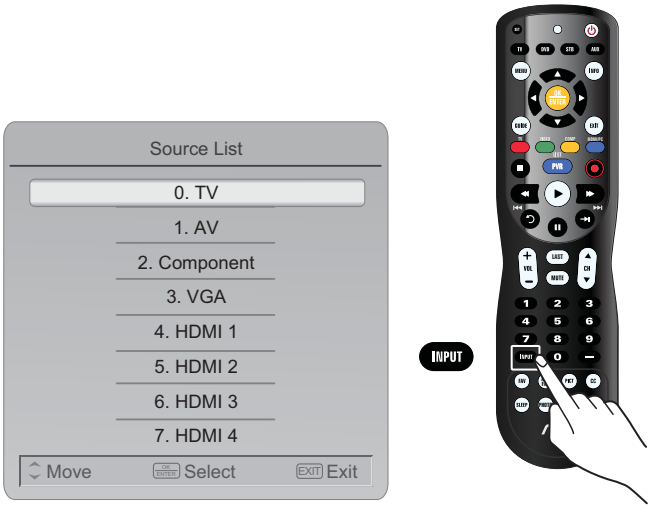
Note:
HDMI PC Mode (Only available in HDMI input)
Displays an image with the same number of pixels on the screen without over scan

Switching Input Source

On AOC TV, you can choose signal source on the remote control directly, or press “Source” to choose the signal source on the display menu.

1. When choosing signal source on the remote control directly: Press the following keys to switch input source.

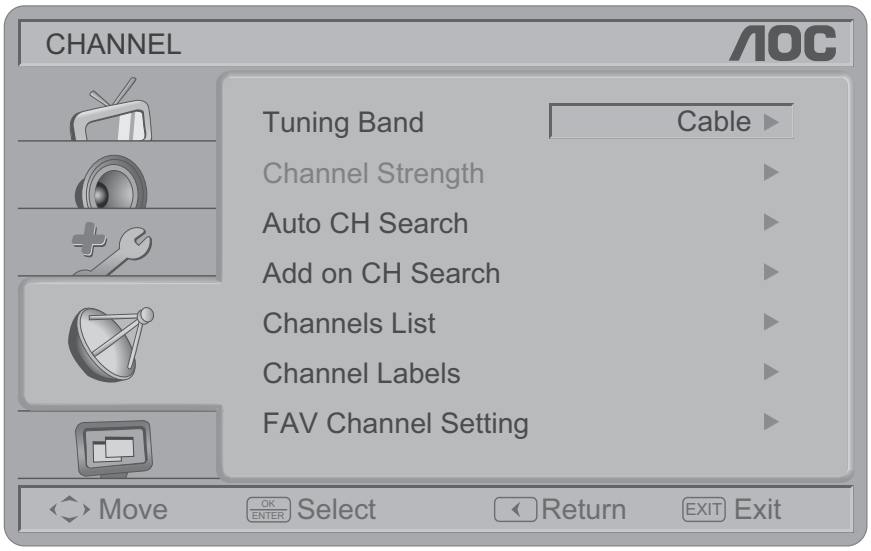
2. When using **INPUT** key to choose signal source:



1	INPUT	Press **INPUT** to call out source menu.
2	OK ENTER	Press ▲/▼ to select input source: TV, AV, Component, VGA, HDMI 1 / 2 / 3 / 4.
3	OK ENTER	Press **OK/ENTER** to enter.

OSD Manual Setting

Channel Search



1	MENU	Press **MENU** to call out MENU.
2	OK ENTER	Press ▲/▼ to select “Channel” , and press **OK/ENTER**.
3	OK ENTER	Press ▲/▼ to select “Auto CH Search”, and then press **OK/ENTER**.

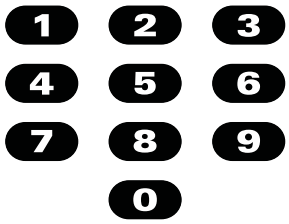
The submenu of CHANNEL menu in TV mode shows as below.

1) **Tuning Band:** Select TV source signal from the Air (antenna) or Cable (CATV).
2) **Channel Strength:** Show the intensity of the received DTV signal.
3) **Auto CH Search:** Automatically scan all NTSC / ATSC TV channels and then store in the channel table. In channel scan process, the OSD can display the number of channels which had been found.
4) **Add on CH Search:** Add channels which are new found.
5) **Channels List:** Show the Channels List. User can edit (add/delete) the channel numbers.
6) **Channel Labels:** Show the NTSC /ATSC TV Channel Labels menu for user modifying channel labels specifically.
7) **FAV Channel Settings:** Show the Favorite Channel List. User can edit (add/delete) the favorite channels.

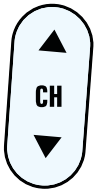
Changing Channel/Flashback

On AOC TV, you can change channel on the remote control directly, or press **CH ▲/▼** on the side of the TV to choose the channel.

1. Press the number keys directly to change the channel.

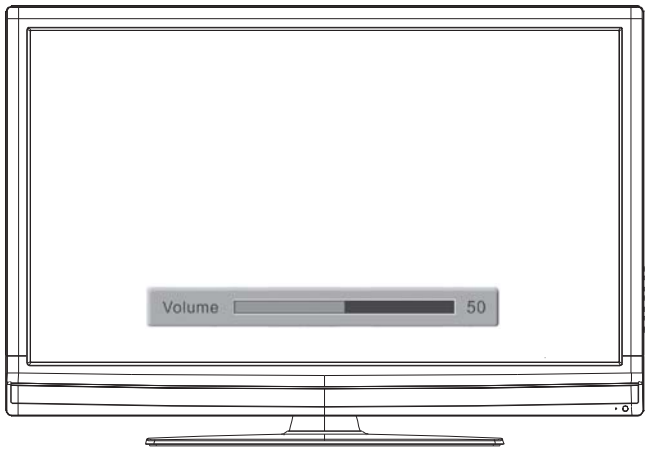


2. Press the **CH ▲/▼** to change channel.



3. Press **LAST** to go to the previous channel.

Changing Volume, Mute and Sound Mode



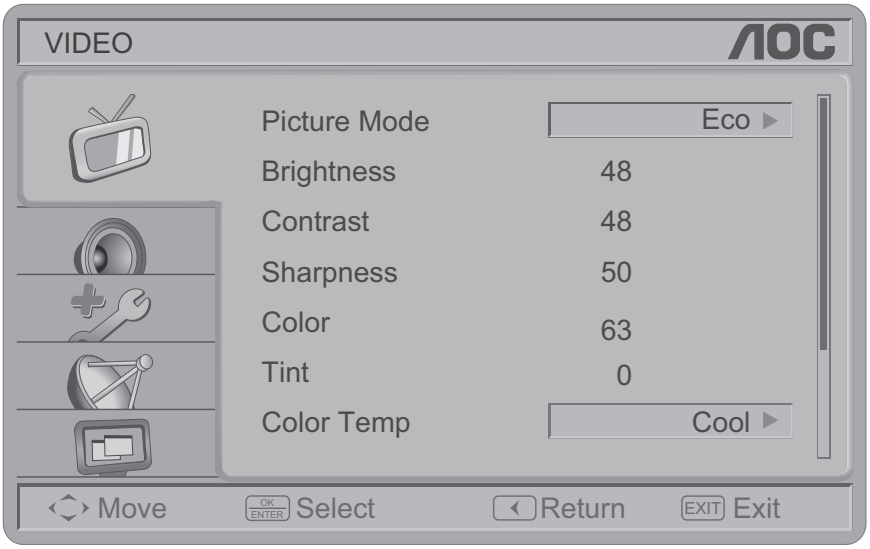
1. Press **VOL+/-** to change the volume.

2. Press **MUTE** to mute the TV.

3. Press **AUDIO** to change surround mode: Music, Speech and Personal.

For more details, please refer to “Adjust Audio Setting”.

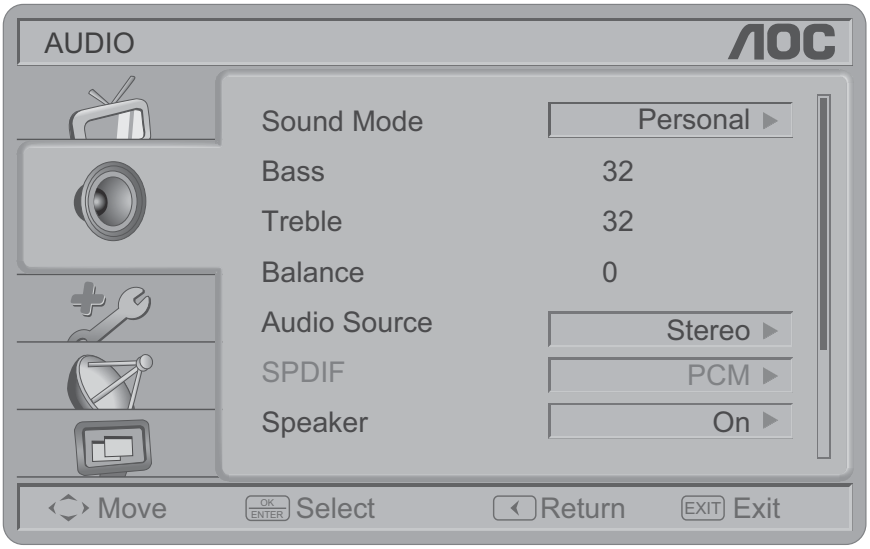
Adjust Video Setting



1	MENU	Press **MENU** to call out MENU.
2	OK ENTER	Press ▲/▼ to select “VIDEO” , and press **OK/ENTER**.
3	OK ENTER	Press ▲/▼ to select Video Settings: Picture Mode, Brightness, Contrast, Sharpness, Color, Tint, Color Temp, Noise Reduction, Adaptive Contrast, DCR, Backlight, Aspect Ratio, Preset, and press **OK/ENTER** to enter.
4	OK ENTER	Press ◄/► to adjust.
5	EXIT	Press **EXIT** to exit.

Picture Setting Items	**Description**	
Picture Mode	Vivid	For Enhances picture contrast and sharpness.
	Standard	For standard picture settings. Recommended for home entertainment.
	Eco	Decrease backlight level to save the power consumption.
	Movie	For viewing film-based content. Most suitable for viewing in a theater-like environment.
	Personal	The user can set their favorite setting.
	Preset for all inputs can also be accessed by pressing **PICT** on the remote control to directly toggle the modes.	
Brightness	Brightens or darkens the picture.	
Contrast	Increases or decreases picture contrast.	
Sharpness	Sharpens or softens the picture.	
Color	Increases or decreases color saturation.	
Tint	Increases or decreases the green tones.	
Color Temp.	Cool	Gives the white colors a bluish tint.
	Warm	Gives the white colors a reddish tint.
	Normal	Gives the white color a nature tint.
Noise Reduction	Reduces the noise level of connected equipment, and the VHF/UHF/CABLE input. Gives four NR effect degrees, such as: Low, Mid, High and Off.	
Adaptive Contrast	Choose On or Off to adjust the gamma after analyzing the input signal automatically.	
DCR	Dynamic Contrast Ratio (DCR) auto adjusts the backlight of the screen.	
Backlight	Backlight strength adjustment, the tuning range is 0 ~ 30.	
SMP	SMP (Smart Motion Plus), gives four motion effect degrees, such as: Low, Mid, High, and Off.	
Aspect Ratio	Choose the display aspect.	
Preset	Restore the default video settings.	

Adjust Audio Setting

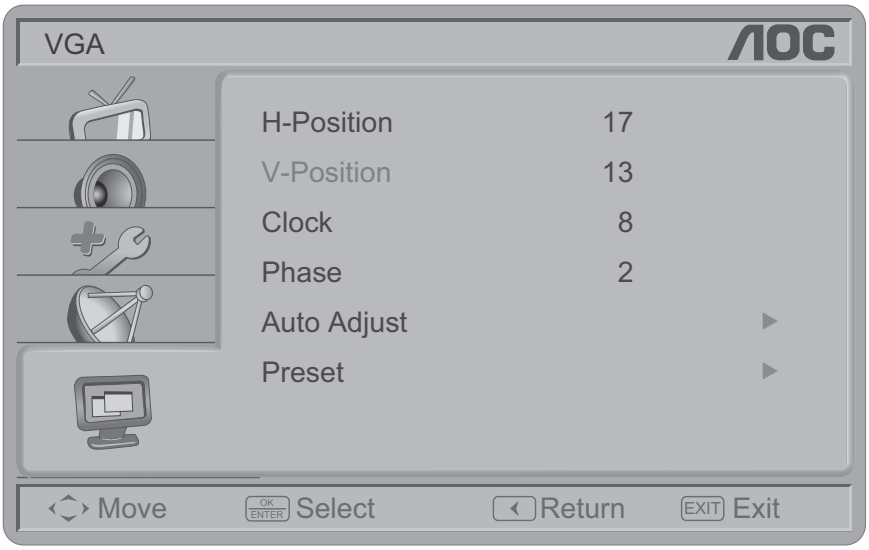


1	MENU	Press **MENU** to call out MENU.
2	OK ENTER	Press ▲/▼ to select “Audio” , and press **OK/ENTER**.
3	OK ENTER	Press ▲/▼ to select Audio Settings：Sound Mode, Bass, Treble, Balance, Audio Source, Audio Language, SPDIF, Speaker, Multi Language, AVL, SRS, Preset, and press **OK/ENTER** to enter.
4	OK ENTER	Press ◄/► to adjust.
5	EXIT	Press **EXIT** to exit.

Audio Setting Items	Description
Sound Mode	Music: Enhances treble and bass.
	Speech: Enhances treble and keep bass in middle.
	Personal: Adjust sound mode as personal favorite.
	Sound Mode can also be accessed by pressing **AUDIO** on the remote control.
Bass	Increases or decreases lower-pitched sounds.
Treble	Increases or decreases higher-pitched sounds.
Balance	Emphasizes left or right speaker balance.
Audio Source	Select the audio source from Mono, Stereo, or SAP. (This function works in ATV only.)
Audio Language	Change the audio language setting on ATSC TV programs. The number of the supported audio languages (English / Français / Español)
SPDIF	Digital audio output format. Select from RAW and PCM. The difference between SPDIF PCM or RAW: SPDIF PCM: It will only output as a PCM 44.1Khz digital no matter what the recording is in the media. SPDIF RAW: It will output the stream as it is digitally recorded, i.e. DTS recording as a DTS or a Dolby as a Dolby, or a native 48 or 96Khz.
Speaker	Choose to turn on / off the TV internal speaker. The digital audio output signals and earphone output signals will not be turned off even though the TV speaker is off. The default setting is On.
Multi Language	To choose the multi-language in DTV.
AVL	Enable or disable Automatic Volume Level.
SRS	Solution of processing surround sound effect for playback over two speakers. Select On for optimizing bass/ treble performance and intelligibility. Select Off for keeping current audio performance level.
Preset	Restore the default audio settings.

Adjust PC Setting

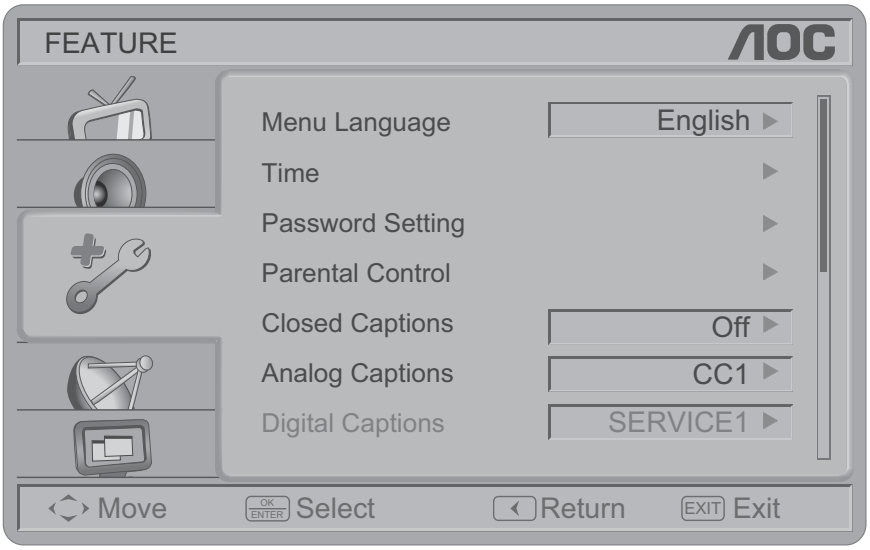
This setting is only available in PC mode.



1	MENU	Press **MENU** to call out MENU.
2	OK ENTER	Press ▲/▼ to select "PC" , and press **OK/ENTER**.
3	OK ENTER	Press ▲/▼ to select PC Settings: H. Position, V. Position, Clock, Phase, Auto Adjust, Preset, and press **OK/ ENTER** to enter.
4	OK ENTER	Press ◄/► to adjust.
5	EXIT	Press **EXIT** to exit.

PC Setting	Description
H. Position	Adjusts the Horizontal positioning.
V. Position	Adjusts the Vertical positioning.
Clock	Adjusts the Clock frequency on VGA signal.
Phase	Adjusts the Phase frequency on VGA signal.
Auto Adjust	Auto sync. PC timing to fit full screen display. For detail supported timing, please refer PC Input Signal Reference Chart on page 16.
Preset	Restore the default PC settings.

Feature Setup



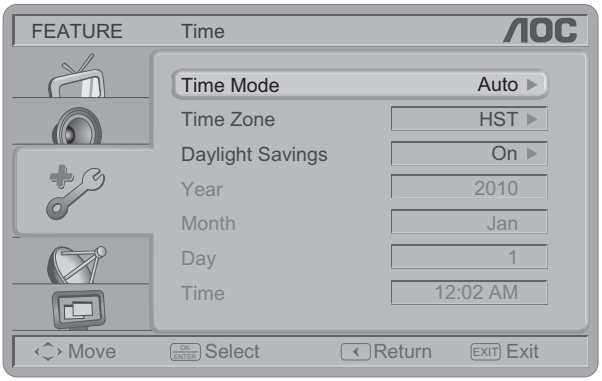
1	MENU	Press **MENU** to call out MENU.
2	OK ENTER	Press ▲/▼ to select “Feature” , and press **OK/ENTER**.
3	OK ENTER	Press ▲/▼ to select Setting items: Menu language, Time, Password Setting, Parental Control, Closed Captions, Analog Captions, etc. and press **OK/ENTER** to enter.
4	OK ENTER	Press ◄/► to adjust.
5	EXIT	Press **EXIT** again to exit.

The submenu of FEATURE mode in TV mode shows as below.

1. **Menu Language:** Adjust the language setting for this TV unit. (English / Français / Español)

1	OK ENTER	Press ◄/► to select: English / Français / Español, and press **OK/ENTER**.

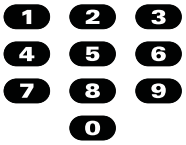
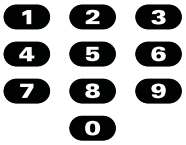
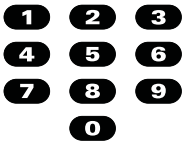
2. **Time:** Set current time. The sub-menu includes Time Mode, Time Zone, and Daylight Savings.



1	OK ENTER	Scroll to Time and press **OK/ENTER** to enter the menu for Time adjustment.
2	OK ENTER	Press ◄/► to adjust Auto or Manual setting for Time Mode and press **OK/ENTER**.

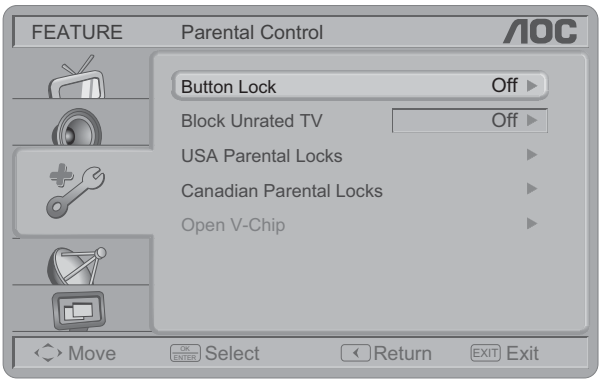
3		Press ▲/▼ to select “Time Zone”. Press ◄/► to adjust Time Zone which you located and press **OK/ENTER**.
4		Press ▲/▼ to select “Daylight Savings”. Press ◄/► to on/off Daylight Savings and press **OK/ENTER**.
5		For manually Time Mode setting, press ▲/▼ to select “Year”, “Month”, “Day”, and “Time”. Press ◄/► to adjust “Year”, “Month”, “Day”, and “Time”, and press **OK/ENTER**.
6		Press **EXIT** to exit.

3. **Password Setting:**
   Change the 4-numeral parental control password. Three steps are required for changing the password:

Step 1: 		Press **Number Key** to enter the **old** password.
Step 2: 		Press **Number Key** to enter the **New** password.
Step 3: 		Press **Number Key** to enter the **New** password.

Note: This item is only available in TV, Composite and S-Video source modes. The default password is [0 0 0 0].

4. **Parental Control:**



Provide the Parental Control (V-chip) function setting. Before entering the Parental Control sub-menu, user has to key in the password first. Enter the Parental Lock item, then the user can modify the restricted table about MPAA or TV Rating respectively. While exiting the sub-menu, the parental control function is working. The inhibitive channels or source signals can be unlock through pressing the V-CHIP key on the remote control and then key in the correct password.

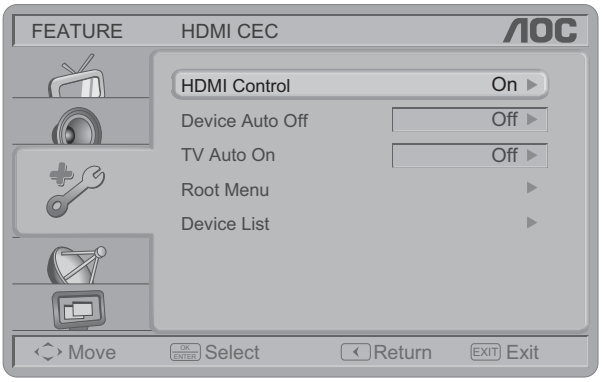
Note: This feature is only available in TV, Composite and S-Video source modes. (The default password is: 0 0 0 0.)

Parental Control:	**Description**
Button Lock	Select On or Off to lock or unlock the control buttons on the side panel of the TV. When this function enables, the control buttons on your TV will be locked and TV will be controlled by remote control only.
Block Unrated TV	When Block Unrated TV is set to on, your TV will block unrated program.
USA Parental Locks	Set the parental control level by MPAA or TV Rating.
Canadian Parental Locks	Set the parental control level by English Rating or French Rating.
Open V-Chip	Open V-Chip is an advanced V-Chip rating system for digital channels that are received. The rating table will be updated by downloading the RRT5 data for blocking.

5. **Closed Captions:** Select a closed caption option. (Off / On / With Mute)
6. **Analog Captions:** Select an analog caption option. (CC 1-4 / TEXT 1-4)
7. **Digital Captions:** Select a digital caption option. (SERVICE 1-6)
8. **Digital Captions Setup:** Provide numerous options for setting the digital closed caption style in the sub-menu.

Items	Description
Style	Set to Automatic or Customer mode. If Custom mode is selected, user can modify the detail styles described below. The setting result will be shown immediately on the bottom of the submenu OSD. Note: This feature is only available in Digital TV (ATSC) mode.
Size	Digital closed caption font size, which can be set as Automatic, Small, Normal, or Large.
Font	Digital closed caption font style, which can be chosen as Automatic, Default, or Font 1 ~ 7.
Text Color	Automatic / White / Red / Green / Blue / Yellow / Magenta / Cyan / Black.
Text Opacity	Automatic / Solid / Flashing / Transparent / Translucent.
Background Color	Automatic / Black / White/ Red / Green / Blue / Yellow / Magenta / Cyan.
Background Opacity	Automatic / Solid / Flashing / Transparent / Translucent.
Edge Effect	Automatic / None / Raised / Depressed / Uniform / Left Shadow / Right Shadow.
Edge Color	Automatic / Red / Green / Blue / Yellow / Magenta / Cyan / Black / White.

9. **HDMI CEC:** Set the HDMI Control to ON and this feature will enable the HDMI CEC function and your AOC LCD TV will discover and communicate automatically with other compatible HDMI interfaced devices. Select Off to disable this option.



1		Press **MENU** to call out MENU.
2		Press ▲/▼ to select “Feature” , and press **OK/ENTER**.
3		Press ▲/▼ to select Setting item: HDMI Control and press **OK** to enter.
4		Press ▲/▼ to select Setting item: HDMI Control, Device Auto Off, TV Auto On, Root Menu, Device List, and press **OK/ENTER** to enter.
5		Press ◄/► to adjust.
6		Press **EXIT** to exit.

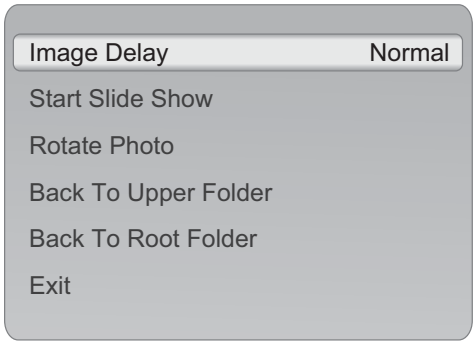
Items	Description
HDMI Control	Enable or Disable HDMI Control.
Device Auto Off	Enable of Disable Device Auto Off. When you turn off the TV, all active CEC enabled devices on the HDMI inputs will go to Standby.
TV Auto On	Enable or Disable TV Auto On Pressing the “Play” button on the CEC enabled device will commend the device to play, turn the TV on and the HDMI input, that the device is connected to, will become the active input source for the TV.
Root Menu	Accesses the menu of connected HDMI CEC-compatible device with your TV remote control.
Device List	List the device which enabled the HDMI CEC function.

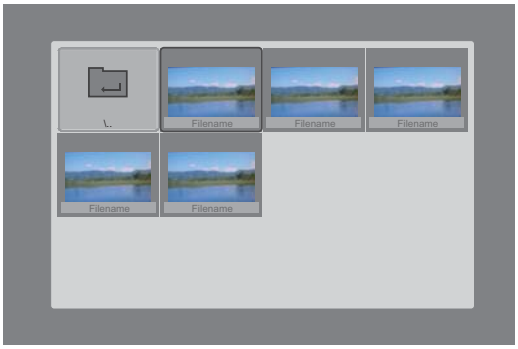
Note: Not all devices with an HDMI connection have the CEC feature. Consult the instruction manuals for the device you are trying to control to confirm whether or not CEC is available.

10. **Input Labels:** User can edit the input labels.
11. **Component Setting:** This option only shows and is available in component mode, which provides fine tuning component display.
    [Phase] – Adjust Picture Phase to reduce Horizontal-Line noise. The tuning range is from 0 to 100.
    [Preset] – Restore the default component setting values.
12. **MultiMedia Menu:**
    [JPEG Viewer] – This option shows the settings for the photo play function from USB storage device.
    • Select item MultiMedia in Feature menu (this item will be disabled when USB thumb drive was not plugged in), then select JPEG Viewer to enter the sub menu.

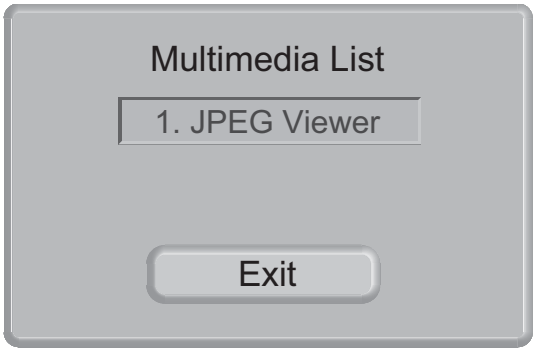
1	MENU	Press **MENU** to call out MENU.
2	OK ENTER	Press ▲/▼ to select “Feature” , and press **OK**.
3	OK ENTER	Press ▲/▼ to select Setting item: MultiMedia Menu and press **OK** to enter.
4	OK ENTER	Press ▲/▼ to select Setting item: Time Shift and press **OK** to enter.
5	OK ENTER	Press ▲/▼ to select Setting item: USB Disk Storage Format or Start. and press **OK** to enter.
6	OK ENTER	Press ◄/► to adjust.
7	EXIT	Press **EXIT** to exit.

• After plugging USB storage device into USB port, Multimedia List menu will display, or press “Photo” on the remote control after you plugging USB storage device.





1	OK ENTER	Press **OK** to enter JPEG Viewer.
2	OK ENTER	Press ▲/▼/◄/► to select, and press **OK/ENTER** to enlarge the selected photo (orange frame) browser.
3	MENU	Press **MENU** to display control menu.



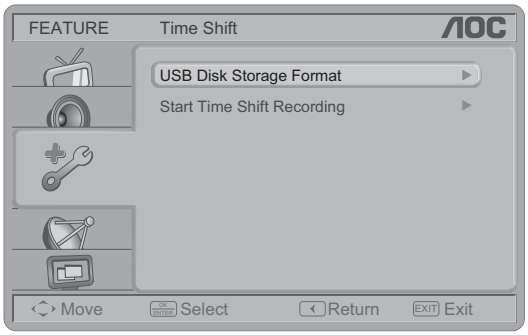
JPEG Viewer Control:	Description
Image Delay	Set display time for each picture in slide show. There are three options: Fast, Slow, and Normal.
Start Slide Show	Enter Slide Show mode.
Rotate Photo	Rotate selected picture. (0/90/180/270).
Back to Upper Folder	Return to the upper folder.
Back to Root Folder	Return to root folder.
Back To Browser	Return to Browser mode. (Photo page with control menu.)
Exit	Exit JPEG Viewer and return to original source. (Browser with Control menu.)

Note: a. File number is limited to 1000 files
b. This model is only supported JPEG format.
c. JPEG sizes are limited up to 10928x6144 for WXGA and 15360x8640 for FULL-HD panel.

[Time Shift] –

- **Main menu setting**

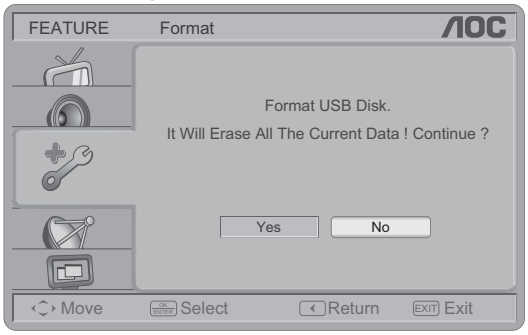
Select item MultiMedia in Feature menu (this item will be disabled in non-DTV source or USB thumb drive was not plugged in), then select Time Shift to enter the sub menu.



1		Press **MENU** to call out MENU.
2		Press ▲/▼ to select “Feature” , and press **OK/ENTER**.
3		Press ▲/▼ to select Setting item: MultiMedia Menu and press **OK/ENTER** to enter.
4		Press ▲/▼ to select Setting item: Time Shift and press **OK/ENTER** to enter.
5		Press ▲/▼ to select Setting item: USB Disk Storage Format or Start Time Shift Recording and press **OK/ENTER** to enter.
6		Press ◄/► to adjust.
7		Press **EXIT** to exit.

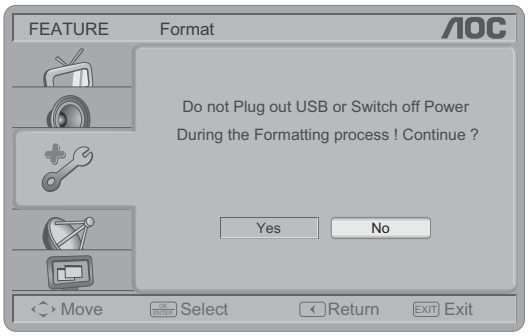
Time Shift Control:	Description
USB Disk Storage Format	Format USB disk and locate a fix area for Time shift feature used.
Start Time Shift Recording	Start time shift function, freeze video and start record DTV Function.

- **USB Disk Storage Format:**



1		Press ◄/► to select “Yes” or “No” to format the USB Disk.

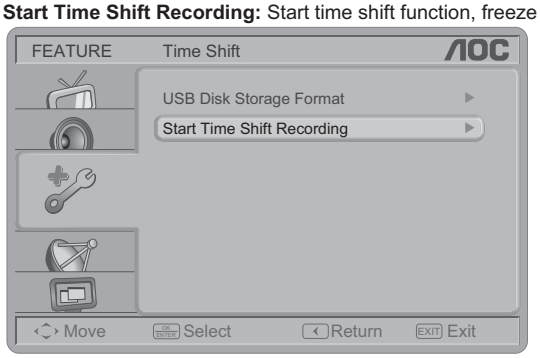
Note: This Time Shift function only supports the USB Disk Size between 512M to 32GB.
Warning: The data in the USB disk will be erased.



1		Press ◄/► to select “Yes” or “No” to format the USB Disk.

Note:
Format process will take at least 2 minutes. Please Do Not turn off the power and remove the USB disk.
During format process, it will also do the speed test on your USB disk. If it shows failed, your USB disk may not support Time Shift function.

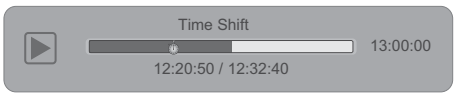
- **Start Time Shift Recording:** Start time shift function, freeze video and start record DTV Function.



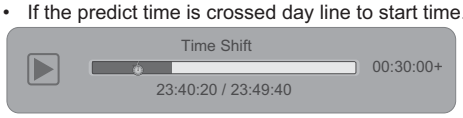
1		Press ▲/▼ to select Start Time Shift Recording and press **OK/ENTER** to enter.

Note: The initial process may take a few seconds. Please wait a few seconds.

- **Time Shift operation was shown as below:**



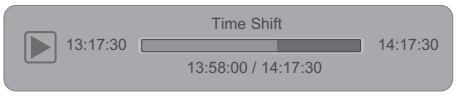
Definition
- 12:20:50 Present the video time (play point). Synchronized to Timer icon.
- 12:32:40 Present the live time (record point). Synchronized to Orange bar.
- 13:00:00 Present the predict time. The point all buffer is just occupied.
- If the predict time is crossed day line to start time. A “+” will be added to tail. See below case.



	Pause (Also be used to Start recording).
	Play
	Stop and terminate time shift
	Fast-forward
	Rewind

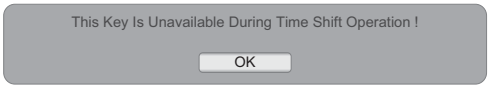
Note:
The operation Fast-forward/Rewind will only be available in the Orange bar.
In usually 4G memory buffers will offer 180 minutes for 480i contents and 30 minutes for 1080i contents.
The buffer size will be limited in 4G no matter how large sizes USB disk do you use.

- **When run out buffer:**



When the memory buffer is running out, the recording will not be stopped. Mean while the video content before start time would be replaced.

- **Limitation:**
  1. When Time Shift feature take action, only play/pause/fast-forward/rewind/volume/mute hot key and some basic operation key (OK/Exit/Move) can work. Any unavailable key pressed, the following dialog will display.



  2. The video might get judder or unsmooth when USB recording speed is under requirement (some FHD format).
  3. The video might get some limited mosaic when Video bit rate is too low (some Music channel).
  4. Do not unplug USB or switch off DC/AC power during Time Shift.
  5. Do not remove signal during Time Shift. It will abort the process once the signal lost.
  6. No quickly operation between play/pause/fast-forward/rewind.
  7. No CC (Closed Captions) setting when Time Shift is in process. CC must be set before Time Shift engaged.
  8. Sleep timer will be terminated if set before Time Shift.
  9. Time Shift will not take action if the channel is scramble or audio only.
  10. Only 5 predefined USB drive recommend. For other 4G or 8G high speed USB drive could be useful, but this is not guaranteed.
  11. This feature is not available for all TV programs. It is depended on program’s situation.

13. **Reset to Default:** Restore all the default settings.

Troubleshooting

Condition	Explanation / Solution
No picture	
No picture	Check the Power Saving settings.
Cannot receive any channels	Make sure the power cord is connected securely. Turn on the power of the TV. Check antenna/cable connections. Make sure the Cable setting is correct for your TV signal source.
TV is locked to one channel	Perform Auto Program to add receivable channels that are not present in the TV's memory.
Cannot receive or select	Perform Auto Program to add receivable channels that are not present in the channels TV's memory. To receive or select cable channels, make sure that Cable in the Channel settings is set to On. To receive or select UHF channels over an antenna, make sure Cable is set to Off.
The TV turns off	Check if Sleep Timer is activated, or confirm the Duration setting of Timer automatically. Check PC Power Management in General Settings.
No picture from some video	Check the connection between the optional video equipment and the TV Sources. Press INPUT on the remote control. Select your desired input from the External Inputs list.
Poor picture	
The quality of the images is not as good as what I saw at the store	Picture quality depends on the signal content. See Quick Setup Guide (supplied) to display the best possible picture for that signal.
Double images or ghosts	Check antenna/cable connections. Check the antenna location and direction.
Only snow and noise appear on the screen	Check if the antenna is broken or bent; Check if the antenna has reached the end of its serviceable life. (3-5 years in normal use, 1-2 years at the seaside.)
Dotted lines or stripes	Keep the TV away from noise sources such as cars, motorcycles, or hair-dryers. If using 300 ohm twin lead, move the excess lead away from the TV or try using 75 ohm coaxial cable instead.
No color/Dark picture/Color is not correct/The picture is too bright	Press PICTURE to select the desired Picture Mode; Adjust the Picture Mode options in the Picture settings.
Noisy picture	Make sure that the antenna is connected using a 75-ohm coaxial cable. Keep the antenna cable away from other connecting cords. To avoid TV interference, make sure to use an undamaged antenna cable.
No sound/Noisy sound	
Good picture, no sound	Check the volume control. Press MUTE or VOL + so that disappears from the screen. Disconnect your headphones. For HDMI equipment, confirm that the audio output setting of the connected equipment is set to PCM. This TV's HDMI inputs support PCM 32, 44.1 and 48 kHz, 16, 20 and 24bits.
Audio noise	Make sure that the antenna is connected using a 75-ohm coaxial cable. Keep the antenna cable away from other connecting cords. To avoid TV interference, make sure to use an undamaged antenna cable.
PC Input	
No Picture / No Signal	Confirm the PC is correctly connected to the TV with either the PC IN (with an HD15 cable) or with the HDMI IN. Ensure the output signal from the PC is one of the formats listed on page 18. Turn the PC off. Confirm the PC connection and restart the PC. Plug and play will auto-detect the TV and correctly set up PC timing. Verify PC Power Management is activated.
Poor Picture	Adjust the resolution. Adjust Pitch and Phase.
Wide Mode changes automatically	The current Wide Mode setting is automatically replaced with the 4:3 Default setting when you change the channel or video input, if 4:3 Default in the Screen settings is set to other than Off. If you want to lock in Wide Mode selected with WIDE on the remote control, set 4:3 Default to Off in the Screen settings. Check the Auto Wide option in the Screen settings.
Suddenly the picture gets smaller	The picture gets smaller during the commercials, this is due to the method the provider broadcasts their contents. When HD content channels switch to SD definition content (commercials), the picture may be small with a black border.
"Black box" on screen	You have selected a text option and no text is available. To turn off this feature, set the CC Display option to Off. If you were trying to select closed captioning, select CC1 instead of Text1-4.
Black bands appear at the edges of the screen	Some wide screen programs are filmed in aspect ratios that are greater than 16:9 (this is especially common with theatrical releases). Your TV will show these programs with black bands at the top and bottom of the screen. For more details, check the documentation that came with your DVD (or contact your program provider). Programs in 4:3 aspect ratio will have bands on left and right sides of the screen.
Condition	**Explanation / Solution**
PC Input	
Certain programs on DVD or other digital sources display a loss of detail, especially during fast-motion or dark scenes	This is due to the digital compression of the source content used by certain digital broadcasts and DVDs which may cause your TV's screen to display less detail than usual, or cause artifacts (small blocks or dots, pixilation) to appear on your screen. These signal compressions are more visible and are dependent on the clarity and resolution of the television.
Remote control does not operate	Check the polarity of the batteries or replace the batteries. Point the remote control at the remote control sensor located at the front of the TV. Fluorescent lamps can interfere with your remote control operation; try turning off the fluorescent lamps. Keep the remote control sensor area clear from obstacles.

Dimensions & Specifications

Model	LC32H063D/LC42H063D
Panel size	LC32H063D: 800 mm diagonal (31.5” viewable) LC42H063D: 1067 mm diagonal (42” viewable)
Resolution	1920 x 1080
TV System	NTSC standard ATSC standard (8-VSB, Clear-QAM)
Channel coverage	VHF: 2 through 13 UHF: 14 through 69 Cable TV: Mild band (A - 8 through A - 1, A through I) Super band (J through W) Hyper band (AA through ZZ, AAA, BBB) Ultra band (65 through 94, 100 through 125)
Speaker	LC32H063D: 10 W x 2 LC42H063D: 12 W x 2
Antenna impedance	75Ω
Power source	120V~ 60Hz, 150W
Standby power consumption	<1W
Video/Audio Terminals	Rear AV x1: S-Video/Video/Audio Input/Audio output.
S-Video Input*	Y: 1 V(p-p), 75 ohm, negative sync. C: 0.286 V(p-p) (burst signal), 75 ohm
Video/Audio Input	VIDEO: 1 V(p-p), 75 ohm, negative sync. AUDIO: 500mv (rms)
Component Input	Rear Component x1: Y: 1V(p-p), 75 ohm, including sync. Pr/Cr: ±0.35V(p-p), 75 ohm Pb/Cb: ±0.35V(p-p), 75 ohm AUDIO: 500mv (rms)
HDMI Terminals	HDMI INPUT: Side HDMI x4 HDCP compliant E-EDID compliant
VGA Terminals	VGA INPUT: Rear VGA (D-SUB 15 Pin) Input x1 E-EDID compliant Audio Input: Mini-jack for stereo (3.5Ø)
Headphone	Audio Output: Mini-jack for stereo (3.5Ø)
SPDIF Output	Optical Digital Audio Out jack.
Size (W x H x D) (with base and stand) (mm)	LC32H063D: 778.51 x 552.20 x 250.5 LC42H063D: 1011.4 x 698.2x x 278.2
Weight	LC32H063D: 12.13 Kg (with stand) / 10.53 Kg (w/o stand and base) LC42H063D: 18.8 Kg (with stand) / 16.5 Kg (w/o stand and base)
Wall mount size	LC32H063D: 200 x 200 mm (Wall mount kit is not included) LC42H063D: 400 x 200 mm (Wall mount kit is not included)
Wall-Mount accessory	Optional accessory and not included in standard package
Equipment: Operation Temperature Storage Temperature	 35 ºC for moderate climates (Maximum ambient temperature) -20 ºC~50 ºC

*** S-Video Input**
You can connect your TV set to a high-resolution video source (such as Super VHS videocassette recorder, Laser Disc player, and DVD Home Theater Set) in order to provide maximum consumer viewing satisfaction.

Note:

- Designs and specifications are subject to change without notice.
- This model may not be compatible with features and/or specifications that may be added in the future.

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Appendix A

Introduction:

Welcome to use AOC LCD TV! This LCD TV also included one universal remote control and allows you to control up to 4 home theater devices with one easy to use, compact remote control. Just install batteries and follow the instructions in “Programming Device Control” to program the universal remote to control your equipment.

PROGRAMMING DEVICE CONTROL

To program this remote to control home theater devices, follow the steps below.

Before proceeding, find the codes for the devices you want to program in “Manufacturer’s Codes” on the right side of this page and write them down or highlight them.

1. Turn on the device (for example, DVD player) and, if needed, load media (for example, a DVD).
2. Press a device key on the remote that you wish to program (TV, DVD, STB, or AUX).
3. Press and hold SET until the red LED blinks twice, and then release.
4. Enter the first five-digit code for the device and brand that you wish to program. The LED blinks once as each digit is entered. If the code is valid, the LED blinks twice.
   NOTE: If the LED does not blink twice, repeat steps 2 to 4 and try entering the code again.
5. Aim the remote at the device and press POWER. The device should turn off. If it does not, repeat steps 3–5, trying each code for your brand until you find one that works. If you cannot find a code that works, see Searching for Your Code”.
6. Repeat steps 1 to 5 for the other devices you want to control. For future reference, write down each working device code in the following chart:

TV Code: ☐☐☐☐☐

DVD Code: ☐☐☐☐☐

STB Code: ☐☐☐☐☐

AUX Code: ☐☐☐☐☐

SEARCHING FOR YOUR CODE

If your device does not respond to the remote after trying all codes listed for your brand, or if your brand is not listed, try searching for your code:

1. Turn the device you wish to control on.
2. Press the desired device key once.
3. Press and hold SET until the red LED blinks twice, and then release.
4. Enter 9 9 1. The LED blinks twice.
5. Press the device group number for your device type (see table below).

Code	Device Group
0	Cable (Cable Converters, Video Accessories, Satellite Receivers)
1	TV (TVs)
2	VCR (VCRs, DVD players)
3	Audio (Audio Amplifiers, Audio Amp/ Tuners, CD players)

6. Aim the remote at the device and press Power. The remote sends IR codes from its library to the selected device, starting with the most popular code first. If the device responds, go to step 8.
7. If the device does not respond, press CH+ and the remote will test the next code for that device type. Continue to press CH+ until the device turns off.
   Note: Press CH- to try the previous code.
8. Now that you have found the correct code, press SET to save the code that worked for your device. The LED blinks twice to indicate that the code has been saved. To search for other device codes, repeat steps 1 to 8.

CHECKING THE CODES

If you have set up the remote using the procedure in “Searching for Your Code”, you may need to find out which five-digit code is operating your equipment.

For example, to find out which code is assigned to your TV:

1. Press TV once.
2. Press and hold SET until the red LED blinks twice, and then release.
3. Enter 9 9 0. The LED blinks twice.
4. To view the code for the first digit, press 1. Count the red LED blinks (for example, three blinks = 3), and write down the number in the appropriate code listing at the top of this column.
   NOTE: If a code digit is 0, the LED does not blink.
5. Repeat step 4 for the four remaining digits, using 2 for the second digit, 3 for the third digit, 4 for the fourth digit, and 5 for the fifth digit.
6. To check for other device codes, repeat steps 1—5, substituting the device key the desired mode you would like to check.

USING LEARNING

This universal remote control includes a Learning feature (some models may not include Learning) so you can add functions that are unique to your home entertainment devices (e.g.,VCR Tracking Up or Down). However, there are some considerations.

Learning Precautions

Your original remote controls must be in working order for learning to work properly.

- Learned keys are mode-specific, so each one can store a unique function for each mode.
- Do not use the following keys for learning: Device Keys, SET, or Record (•).
- Learning capacity is approximately 42 to 75 keys, depending on the code being learned.
- Certain device functions are not learnable including multi-frequency types, some high frequency functions, and other unusual formats.
- For optimum learning, avoid high levels of ambient light such as natural sunlight or energy-efficient fluorescent lights.

  NOTE: Please have your original remote controls handy before programming learning.

Programming a Learned Key

NOTE: If more than 10 seconds pass between key presses, the remote exits pro-gramming.

1. Place the Nova head-to-head (about 2" apart) from your original remote control. Also locate the key (on your original remote control) that you want the Nova to learn. Press the mode key you wish to learn functions on.
2. Press and hold SET until the LED blinks twice, then release.
3. Enter 9 7 5. The LED blinks twice.

   NOTE: If the LED displays one long flash instead, either your batteries are low, or the Nova has a memory fault. In either case, the remote cannot learn a new key.
4. Press the key on the remote you wish to learn onto. The feedback LED stays lit for three seconds, suggesting the remote is ready to learn.
5. On the original remote, press and hold the key to be learned. Continue holding the key on the original remote until the Nova's LED blinks twice.

   NOTE: If the red LED displays one long blink, a learning error has occurred. Try repeating this step again until a successful capture occurs. If the function is still not captured, press and hold SET to exit programming and review the "Learning Precautions" above. If needed, also see "Trouble-shooting" below. After reviewing, start programming again at step 1.
6. Repeat steps 4 through 5 for another key you would like to learn onto. Once you have completed learning all keys, press and hold SET until the LED blinks twice to save all data learned.

Deleting a Single Learning Key

This process returns the key to its original programming for the mode you select. You can also delete learned programming by teaching a different function to the key (see "Programming a Learned Key").

NOTE: If more than 10 seconds pass between key presses, the remote exits pro-gramming.

1. Press the mode key that you wish to remove the learned key from.
2. Press and hold SET until the LED blinks twice, then release.
3. Enter 9 7 6. The LED blinks twice.
4. Press the key containing the learned function to be deleted twice. The LED blinks twice and exits from programming.

Deleting All Learned Keys in a Specific Mode

NOTE: If more than 10 seconds pass between key presses, the remote exits programming.

1. Press and hold SET until the LED blinks twice, then release.
2. Press 9 7 6. The LED blinks twice.
3. Press a mode key twice (i.e., TV, DVD, STB, or AUX) to clear all the learned keys for that mode. The LED blinks twice and exits from programming.

CHANGING VOLUME LOCK

The AOC universal remote control comes preset to allow independent volume control of each selected device (Global Volume Unlock). However, you may change the Volume Lock setting to Global Volume Lock so that one device's volume controls volume in all other modes. After that, you can perform Individual Volume Unlock on a selected device to set its volume control for independent operation or Global Volume Unlock to remove all volume locking.

Locking Volume Control to One Mode (Global Volume Lock)

1. Press and hold SET until the red LED blinks twice, and then release.
2. Enter 9 9 3, the LED blinks twice.
3. Press the mode key for the device you want to control (for example, TV).
4. The LED blinks twice. Now when you press VOL+, VOL-, or Mute, the selected device (for example, TV) controls the volume regardless of the current mode.

Unlocking All Volume Control (Restoring Global Unlock)

1. Press and hold SET until the red LED blinks twice, and then release.
2. Enter 9 9 3, the LED blinks twice.
3. Press VOL+. The LED blinks four times. Volume is independently controlled for all programmed devices.

Unlocking a Single Device's Volume Control

1. Press the desired device mode key (TV, DVD, STB, or AUX).
2. Press and hold SET until the red LED blinks twice, and then release.
3. Enter 9 9 3. The LED blinks twice.
4. Then press VOL-. The red LED blinks four times. Volume is independently controlled for the selected devices.

PROGRAMMING CHANNEL LOCK

Channel control can be locked so that the Nova remote controls a single device's channel-changing functions, regardless of operating mode. This is often enabled by users who watch all broadcast TV through one device (e.g., a cable set-top box). The affected keys are 1 through 0, CH+, CH-, and LAST. Locking All Channel Controls to One Device

To lock all channel-control functions to a specific device, follow these steps:

1. Press the mode key that relates to the device that you use for channel- changing control.
2. Press and hold SET until the mode LED blinks twice, then release.
3. Enter 9 7 3.The mode LED blinks twice.
4. Press CH+ once. The mode LED blinks twice.

Now, regardless of what mode you select, the channel keys will only change channels on the assigned device.

Unlocking Channel Locks

To unlock Channel Lock and thus allow the channel control functions to work with the device associated to the active operating mode, follow these steps:

1. Press and hold SET until the mode LED blinks twice, then release.
2. Enter 9 7 3. The mode LED blinks twice.
3. Press CH- once. The mode LED blinks four times.

Now the channel functions will correlate to the active mode (e.g., press CH+ in TV mode and the TV changes channel accordingly).

USING KEYMOVER

Your Nova universal remote control includes a Keymover feature that allows you to map (or copy) keys from one mode (i.e., source mode) to another mode (i.e., destination mode) or to a different key in the same mode.

NOTE: Do not use any of the Device Keys, POWER, RECORD, or SET as a source or destination key.

- **Moving Keys in the Same Device Mode**

1. Press the desired device key (TV, DVD, STB, or AUX).
2. Press and hold SET until the LED blinks twice, then release.
3. Press 9 9 4. The LED blinks twice.
4. Press the key you want to move.
5. Press the new key that should perform the function. The LED blinks twice.
6. Repeat steps 1-5 to move additional keys.

- **Moving Keys to a Different Device Mode**

This lets you, for example, control DVD functions while in TV mode. You would move the transport key functions (Play, Stop, etc.) from DVD mode to TV mode, as follows:

1. Press and hold SET until the LED blinks twice, then release.
2. Press 9 9 4. The LED blinks twice.
3. Press the device key that contains the function you want to move (e.g., DVD).
4. Press the key you want to move (e.g., Play).
5. Press the device key that you want to move the function to. (e.g., TV).
6. Press the key in the new mode that should perform the function (e.g., Play). The LED blinks twice.
7. Repeat steps 1-6 to move additional keys.

- **Restoring All Keymoved Data in a Specific Mode**

1. Press and hold SET until the LED blinks twice, then release.
2. Press 9 9 4. The LED blinks twice.
3. Press the device key you wish to remove all keymoved data from twice. The LED blinks twice.
4. Repeat for each device you want to restore.

- **Restoring Original Key Function**

1. Press the device key for which you wish to remove the keymoved data from a specific key.
2. Press and hold SET until the LED blinks twice, then release.
3. Enter 9 9 4. The LED blinks twice.
4. Press the key you wish to remove the keymoved data from twice. The LED blinks twice.
5. Repeat steps 1-4 for additional keys you wish to remove.

PROGRAMMING MACROS

Your Nova universal remote control includes the ability to program any key (other than the SET key) with a Macro function. Each one can be set up to perform a pre-programmed set of sequential key presses with the press of one key. A macro can be used to control a home theater operation, to set a favorite channel, or for other multiple functions you would like to control with one key press. Moreover, each Macro Key can hold up to 15 key presses total.

NOTE: Programming a new macro over an existing one erases the original macro.

- **Programming a Mode-Independent Macro**

1. Press and hold SET until the red LED blinks twice, and then release.
2. Press 9 9 5. The LED blinks twice.
3. Press the key you wish to assign a macro on.

4. Enter the series of commands you want the macro to execute (up to 15 commands).
5. Press and hold SET until the red LED blinks twice, and then release.

Now, when you press the preset macro key , the remote sends the series of commands you have entered, regardless of what mode you are in. For example, you could program a macro key to turn on both your TV and cable box and select a particular channel.

To clear the macro, repeated steps 1-5 above, but do not enter a series of commands at step 4.

- **Programming a Mode-Dependent Macro**

1. Press the device mode key (TV, DVD, STB, or AUX).
2. Press and hold SET until the LED blinks twice, then release.
3. Press 9 7 8. The LED blinks twice.
4. Press the key you wish to assign a macro on.
5. Enter the series of commands you want the macro to execute (up to 15 commands).
6. Press and hold SET until the red LED blinks twice, and then release.

Now, when you press the macro key, the remote sends the series of commands you have entered, but only if you are in the mode you selected in step 1. For example, you could program the macro key to turn on both your TV and cable box and select a particular channel, but only if you are in TV mode. If you are in DVD mode, this key does not execute the macro you set up in TV mode.To clear the macro, repeat steps 1-6 above, but do not enter a series of commands at step 5.

TROUBLESHOOTING

PROBLEM	SOLUTION
LED does not blink when you press a key.	Try pressing different keys. Replace the batteries with 2 new AA batteries.
LED blinks when you press a key, but device does not respond.	Make sure the remote is aimed at your device and is not more than 40 feet away.
LED blinks one long blink while in SET mode.	An entry error has occurred (for example, wrong key). Try entering the sequence again.
Remote does not control devices or commands are not working properly.	Try all listed codes for the device. Make sure the device operates with an infrared remote control.
No volume on a device.	See “Changing Volume Lock” and make sure the volume is not locked to a different mode already.
Channels do not change properly when directly entering digits to change channels.	If the original remote control required you to press Enter to change channels, press Enter on this remote after entering the channel number.

Appendix B

MANUFACTURER'S CODES

- Setup Codes for Audio Amplifiers

Adcom	30577, 31100
Anthem	32220
Bose	30674
Carver	30892
Durabrand	31561
Elan	30647
GE	30078
Harman/Kardon	30892
JVC	30331
Left Coast	30892
Lenoxx	31561
Marantz	30892
McIntosh	30251
Modulaire	30395
NEC	30264
Optimus	30395, 30823
Philips	30892
Pioneer	30823
Polk Audio	30892
RadioShack	30395
RCA	30823
Realistic	30395
Shure	30264
Sony	30689, 30815
Soundesign	30078
Victor	30331
Wards	30078
Yamaha	30354, 30133

- **Setup Codes for Audio Accessories**

Accurian	31106
Altec Lansing	30607, 31056
Apple	31115
Creative	30872
DLO	31155
GPX	32113
Griffin	31891
iDeck	31106
iHome	32152
iLive	32113
Imerge	31491
iPort	31917
Klipsch	31339
Marantz	31491
Memorex	32119
Monitor Audio	31106
Motorola	31464
Omnifi	31605
Roku	31828
Sonance	31917
Yamaha	31809, 31810, 32021

- **Setup Codes for Audio Receivers**

ADC	30531
Adcom	30616
Aiwa	31405, 30189, 30121, 31089, 31388, 31641
Akai	30244, 31512
Alco	31390
AMC	31077
Amphion Media Works	31563
AMW	31563
Anam	31609, 31074
Anthem	31185
Apex Digital	31257, 31430, 31774
Arcam	31189
Audiotronic	31189
Audiovox	31390
B & K	30702, 30820, 30840
BK	30702
Bose	31229, 30639, 31253, 31629, 31841,31933
Cairn	30189
Cambridge Soundworks	31370

Capetronic	30531
Carver	31189, 30189, 30121, 31089, 31289
Coby	31389
Curtis Mathes	30014
Daewoo	31250
Denon	31360, 30121, 31104, 31142, 31306, 32857
Emerson	30531
Fisher	31801
Garrard	30463
Grundig	30189
Harman/Kardon	30110, 30189, 30891, 31289, 31304, 31306, 32241
Hitachi	31273, 31801
iLive	32013
Inkel	30491
Insignia	31030, 31077, 31893, 32169, 32175
Integra	30135, 30842, 31298, 31320, 31805
iSymphony	32258
JBL	30110, 31306
JVC	31058, 30074, 31374, 31495, 31871, 32239
Kawasaki	31390
Kenwood	31313, 31570, 30077, 30186, 31027
KLH	31390, 31412, 31428
Koss	31366, 31497
Lexicon	31076
LG	31293, 32197
Linn	30189
Liquid Video	31497
Magnavox	31189, 31269, 30189, 30391, 30531, 31089, 31266, 31514
Marantz	31189, 31269, 30189, 30891, 31089, 31289
McIntosh	31289
Micromega	31189, 30189
Mitsubishi	31393
Musicmagic	31089
Myryad	31189
Nakamichi	31313, 30097, 31555
Norcent	31389
Nova	31389
Onkyo	30135, 30842, 31298, 31320, 31531, 31805, 31905
Optimus	31023, 30074, 30014, 30121, 30186, 30531, 31074
Oritron	31366, 31497
Outlaw	30391
Panasonic	31308, 31518, 30367, 31275, 31288, 31316, 31548, 31633, 31763, 31764
Philips	31189, 31269, 30189, 30391, 30891, 31089, 31266
Pioneer	31023, 30014, 30150, 30244, 30531, 30630, 31123, 31384, 31935
Polaroid	31508
Polk Audio	30189, 31289
Proscan	31254
RadioShack	31609
RCA	31023, 31609, 31254, 30531, 31074, 31123, 31390, 31511
Realistic	31609, 30121, 30186
Revox	30189
Rio	31869
Samsung	31295, 31304, 31500
Sangean	32165
Sansui	31189, 30189, 31089
Sanyo	31251, 31469, 31801
Sharp	30186, 31286
Sharper	Image 31556
Sherwood	30491, 31077, 31653, 31905, 32169
Sherwood Newcastle	32169
Sonic Blue	31869
Sonic Frontiers	31185
Sony	31058, 31441, 31258, 31759, 31622, 30474, 31158, 31406, 31558, 31658, 31758, 31822, 31858
Stereophonics	31023
Sunfire	31313
Teac	30463, 31074, 31390, 31528
Technics	31308, 31518, 31633
Thorens	31189
Toshiba	30135, 30842, 31123, 31788
Venturer	31390
Victor	30074
Wards	30189, 30014
XM	31406
Yamaha	31023, 30176, 30186, 30376, 31176, 31276, 31331, 31375, 31376, 31476, 31815, 32061
Zenith	30857, 31293

- **Setup Codes for Cable Converters**

A-Mark	00008, 00144
ABC	00237, 00003, 00008
Accuphase	00003
Acorn	00237
Action	00237
Active	00237
ADB	02586
Americast	00899
Amino	01602, 01822
Archer	00237
BCC	00276
Bell South	00899
British Telecom	00003
Century	00008
Cisco	01877, 00877, 01982
Clearmaster	00883
ClearMax	00883
Cool Box	00883
Coolmax	00883
Digeo	01187, 02187
Director	00476
Fosgate	00276
GE	00144
General Instrument	00476, 00810, 00276, 00003
Gibralter	00003
GMI	00883
GoldStar	00144
Hamlin	00009, 00273
Hitachi	00003, 00008, 00009
i3 Micro	01602
Insight	00476, 00810
Jerrold	00476, 00810, 00276, 00003
Memorex	00000
Mitsubishi	00003
Motorola	01376, 00476, 00810, 00276, 01187, 01106, 01982
Multitech	00883
Myrio	01602, 01822
Nova Vision	00008
Novaplex	00008
Pace	01877, 00877, 00237, 00008, 01982
Panasonic	00000, 00008, 00144, 00107, 01982
Paragon	00000, 00008, 00525
Penney	00000
Philips	01305, 00317
Pioneer	01877, 00877, 00144, 00533
Pulsar	00000
Quasar	00000
RadioShack	00883
RCA	01256
Regal	00276, 00279, 00273
Runco	00000
Samsung	00003, 00144, 01982
Scientific Atlanta	01877, 00877, 00477, 00237, 00003, 00000, 00008, 01982
Sejin	01602
Sony	01006
Sprucer	00144
Starcom	00003
Supercable	00276
Supermax	00883
Thomson	01256
Torx	00003
Toshiba	00000
Tristar	00883
United Cable	00276, 00003
US Electronics	00276, 00003, 00008
V2	00883
Videoway	00000
Viewmaster	00883
Vision	00883
Vortex View	00883
Zenith	00000, 00525, 00899

- **Setup Codes for Cable/PVR Combos**

Americast	00899
Amino	01822
Cisco	01877, 01982
Digeo	01187, 02187
General Instrument	00810
Jerrold	00810
Motorola	01376, 00810, 01187, 01106, 01982
Myrio	01822
Pace	01877, 00237, 01982
Pioneer	01877
RCA	01256
Scientific Atlanta	01877, 01982
Sony	01006
Supercable	00276
Thomson	01256
Zenith	00899

- **Setup Codes for CD Players**

Acoustic Research	30420
Aiwa	30157
Arcam	30157
Audio Research	30157
Burmester	30420
Cairn	30157
California Audio	Labs 30029
Cambridge Soundworks	30157
Carver	30157
Curtis Mathes	30032
Denon	30034
DKK	30000
DMX Electronics	30157
Fisher	30000
Garrard	30393, 30420
Genexxa	30032
Grundig	30157
Hafler	30173
Harman/Kardon	30100, 30157, 30173
Hitachi	30032
Inkel	30157, 30180
Integra	30101
JVC	30032, 30072
Kenwood	30626, 30000, 30029, 30028, 30190
KLH 31318	, 31711
Krell	30157
Linn	30157
Magnavox	30157, 30038, 30274
Marantz	30626, 30029, 30157, 30038, 30180, 30435
Matsui	30157
McIntosh	30256, 30290, 30660
MCS	30029
Memorex	30000, 30032, 30420
Micromega	30157
Miro	30000
Mission	30157
Modulaire	30000, 30032, 30087, 30180, 30420
MTC	30420
Myryad	30157
NSM	30157
Onkyo	31327, 30101
Optimus	30000, 30032, 30087, 30393, 30420
Panasonic	30029, 30388, 30752
Parasound	30420
Penney	30029
Philips	30626, 30157, 30274
Pioneer	31062, 30032, 31087
Polk	Audio 30157
Proceed	30420
Proton	30157
QED	30157
Quad	30157
Quasar	30029
RadioShack	30000, 30032, 30180, 30420
RCA	31062, 30032, 30053, 30420
Realistic	30000, 30032, 30087, 30180, 30420
Revox	30157
Roksan	30435

Rotel	30157, 30420
SAE	30157
Sansui	30000, 30157
Sanyo	30000, 30087
Sharp	30180
Sherwood	30180
Sonic Frontiers	30157
Sony	30490, 30000, 30100, 31364, 30185
Sugden	30157
Sylvania	30157
Symphonic	30180
TAG McLaren	30157
Tandy	30032
Tascam	30393, 30420
Teac	30490, 30180, 30393, 30420
Technics	30029
Thule Audio	30157
Victor	30072
Wards	30032, 30157, 30053, 30087
Yamaha	30490, 30036, 31292
Yorx	30000

- **Setup Codes for DVD Players**

3D LAB	20503, 20539
Accurian	20675, 21072, 21416
Advent	21016
Afreey	20698
Aiwa	20641
Akai	20695, 20705, 20770, 20899, 21089
Alba	20672, 20717
Alco	20790
Allegro	20869
Amphion Media Works	20872
AMW	20872
Apex Digital	20533, 20672, 20717, 20755, 20794, 20796, 20797, 20830, 21004, 21020, 21056, 21061, 21100
Arrgo	21023
Aspire Digital	21168, 21407
Astar	21489
Audiovox	20717, 20790, 21041, 21071, 21072, 21121, 21122
Axion	21071, 21072
B & K	20655, 20662
BBK	21224
Bel Canto Design	21571
Blaupunkt	20717
Blue Parade	20571
Blue Sky	20695
Bose	21895, 22023
Brandt	20651
Broksonic	20695, 20868
California Audio Labs	20490
Celestial	21020
Centrex	20672, 21004
Cinea	20831
CineVision	20876, 20833, 20869
Citizen	21003, 20695, 21277
Clairtone	20571
Coby	20778, 21077, 21086, 21107, 21177
Craig	20831
Creative	20503, 20539
Curtis Mathes	21087
CyberHome	20816, 20874, 21023, 21024, 21117, 21129, 21502, 21537
Cytron	20705
Daewoo	20784, 20705, 20770, 20833, 20869, 21169, 21172, 21234, 21242
Dansai	20770
Daytek	20872
Decca	20770
Denon	20490, 20634, 22258
Denver	20778
Desay	21407
DigitalMax	21738
Digitrex	20672
Disney	20675, 21270
DiViDo	20705
Dual	20675, 21068, 21085
Durabrand	21127
DVD2000	20521
Electrohome	21003

Emerson	20591, 20675, 20821, 21268
Enterprise	20591
Entivo	20503, 20539
Enzer	20770
ESA	20821, 21268
Firstline	20651
Fisher	20670
Funai	20675, 21268, 21334
Gateway	21073, 21077, 21158
GE	20522, 20815, 20717
Go Video	20573, 20744, 20717, 20715, 20741, 20783, 20833, 20869, 21044, 21075, 21099, 21158, 21304, 21730
Go Vision	21071, 21072
GoldStar	20741, 20869
Goodmans	20790
Gradiente	20490, 20651
Greenhill	20717
Grundig	20539, 20705
Harman/Kardon	20582, 20702
Hello Kitty	20831
Hitachi	20573, 20664, 21247
Hiteker	20672
Humax	21500, 21588
iLo	21348
Initial	20717
Insignia	21268
Integra	20571, 20627, 21769
IRT	20783
JBL	20702
Jensen	21016
JMB	20695
JVC	20558, 20623, 20867, 21164, 21275, 21550
Kawasaki	20790
Kenwood	20490, 20534
KLH	20717, 20790, 21020, 21149
Kloss	20533
Koss	20651, 21061
Lasonic	20627, 20798
Lecson	21533
Lenoxx	21127
LG	20591, 20741, 20869
LiteOn	21058, 21158, 21416, 21440, 21656, 21738
Loewe	20511, 20741
Logix	20783
Magnasonic	20651, 20675
Magnavox	20503, 20539, 20646, 20675, 20821, 21268, 21354, 21506
Marantz	20503, 20539, 20675
McIntosh	21533, 21273
Medion	20651
Memorex	20695, 20831, 21270
Microsoft	20522, 22083
Minato	20752
Mintek	20839, 20717
Mitsubishi	21521, 20521
NAD	20741
Naiko	20770
NEC	20785, 20869
Nesa	20717
NexxTech	21402
Norcent	21003, 20872, 21107, 21265
Onkyo	20503, 20627, 21769
Oppo	20575, 21224
Optimus	20571
Oritron	20651
Palsonic	20672
Panasonic	20503, 20490, 20571, 20632, 20703, 21362, 21462, 21490, 21641, 21762
Philco	20675
Philips	20503, 20539, 20646, 20675, 20854, 21260, 21267, 21340, 21354, 22056, 22084
PianoDisc	21024
Pioneer	20525, 20571, 20142, 20631, 20632, 21460, 21512, 21571
Polaroid	21020, 21061, 21086
Polk Audio	20539
Portland	20770
Presidian	20675, 21072, 21738
Prima	21016
Proceed	20672

Proscan	20522
ProVision	20778
Qwestar	20651
Radionette	20741
RadioShack	20571
RCA	20522, 20571, 20717, 20790, 20822, 21022, 21132, 21769
Realistic	20571
Reoc	20752
Rio	20869
Rotel	20623, 21178
Rowa	20823, 21004
Saba	20651
Sampo	20698, 20752
Samsung	20490, 20573, 20744, 20199, 20820, 20899, 21044, 21075
Sansui	20695
Sanyo	20670, 20675, 20695, 20873, 21334
Schneider	20783
Schwaiger	20752
Sensory Science	21158
Sharp	20630, 20675, 20752, 21256, 22250
Sharper Image	21117
Sherwood	20770, 21043, 21077
Sherwood Newcastle	21077
Shinsonic	20533, 20839
Slim Art	20784
Sonic Blue	20573, 20715, 20783, 20869, 21099
Sony	20533, 21533, 20864, 21033, 21070, 21431, 21516
Sova	21122
Superscan	20821
SVA	20717
Sylvania	20675, 20821, 21268
Symphonic	20675, 20821, 21268, 21334
Tatung	20770
Teac	20571, 20717, 20790
Technics	20490, 20703
Technika	20770
Terapin	21031
Tevion	20651
Theta Digital	20571
Thomson	20522, 20511
Tivo	21503, 21512, 21588
Toshiba	20503, 20573, 20539, 20695, 21045, 21154, 21503, 21510, 21588, 21769
Unimax	20770
Universum	20591
Urban Concepts	20503, 20539
US Logic	20839
V 21064,	21226
Venturer	20790
Vizio	21064, 21226
Xbox	20522, 22083
Yamaha	20490, 20539, 20545
Yamakawa	20872
Zenith	20503, 20591, 20741, 20869
Zeus	20784
Zoece	21265

- **Setup Codes for DVD Players (Blu Ray and HD-DVD)**

Denon	22258
Integra	21769
LG	20741
Microsoft	22083
Onkyo	21769
Panasonic	21641
Philips	22084
Pioneer	20142
RCA	21769
Samsung	20199
Sharp	22250
Sony	21516
Toshiba	21769
Xbox	22083

- **Setup Codes for DVD/PVR Combos**
  Controlled by the DVD

Go Video	21730
Humax	21500, 21588
LG	20741
Panasonic	20490
Philips	21340
Pioneer	20631, 21512
RCA	20522
Sharp	21256
Sony	21033, 21070
Sylvania	20675
Tivo	21512
Toshiba	21503, 21510, 21588

- **Setup Codes for Home Automation**

Accutek	31215
Amana	31716
Bionaire	30846, 31215, 31861
Da-Lite	31794
Draper	32190
Frigidaire	31333
GE	30240
GoldStar	31537
Holmes	31215
Kenmore	31537
Lasko	30846, 31890
LG	31537
Lightolier	30184
Lutron	30597, 30318, 31239, 31597
Marmitek	30167
One For All	30167
PCS	30184
RadioShack	30240
Screen Research	32097
Security System	30167
Sharper Image	30846
SmartLinc	30184
Universal	30167
Universal X10	30167
Whirlpool	31332
Windmere	31215
X10	30167

- **Satellite Receivers and DVR/PVR Systems**
  Setup Codes for Satellite Receivers

AlphaStar	00772
Bell ExpressVu	00775, 01170
Chaparral	00216
Coolsat	01806
Crossdigital	01109
DirecTV	01377, 00392, 00566, 00639, 01639, 01142, 00247, 00749, 01749, 00819, 01856, 01076, 01108, 00099, 01109, 01392, 01414, 01442, 01443, 01444, 01609, 01640
Dish Network System	01505, 00775, 01170, 01775
Dishpro	01505, 00775, 01775
Echostar	01505, 00775, 01170, 01775
Expressvu	00775, 01775
Fortec	Star 01821
Funai	01377
GE	00392, 00566
General Instrument	00869
GOI	00775, 01775
Hitachi	00749, 00819
Houston	00775
HTS	00775, 01775
Hughes Network Systems	01142, 00749, 01749, 01442, 01443, 01444
Humax	01790
Innova	00099
Jerrold	00869
JVC	00775, 01170, 01775
LG	01226, 01414
Magnavox	00722
McIntosh	00869
Mitsubishi	00749
Motorola	00869
Netsat	00099

Next Level	00869
Panasonic	00247, 00701
Pansat	01807
Philips	01142, 00749, 01749, 00775, 00819, 01076, 00722, 00099, 01442
Primestar	00869
Proscan	00392, 00566
RadioShack	00566, 00775, 00869
RCA	00392, 00566, 01142, 00775, 00855, 00143, 01392, 01442
Samsung	01377, 01142, 01276, 01108, 01109, 01442, 01609
SKY	00099
Sony	00639, 01639, 01640
Star Choice	00869
Star Trak	00772, 00869
Thomson	00392, 00566
Tivo	01142, 01442, 01443, 01444
Toshiba	00749, 01749, 00790, 01285
UltimateTV	01392, 01640
Ultrasat	01806
Uniden	00722
Voom	00869
Zenith	01856

- **Setup Codes for PVRs**

ABS	21972
Alienware	21972
CyberPower	21972
Dell	21972
DirecTV	20739
Gateway	21972
Go Video	20614
Hewlett Packard	21972
Howard Computers	21972
HP	21972
Hughes Network Systems	20739
Humax	20739
Hush	21972
iBUYPOWER	21972
Linksys	21972
Media Center PC	21972
Microsoft	21972
Mind	21972
Niveus Media	21972
Northgate	21972
Panasonic	20614, 20616
Philips	20618, 20739
RCA	20880
ReplayTV	20614, 20616
Samsung	20739
Sonic Blue	20614, 20616
Sony	20636, 21972
Stack	9 21972
Systemax	21972
Tagar Systems	21972
Tivo	20618, 20636, 20739
Toshiba	21008, 21972, 21996
Touch	21972
Viewsonic	21972
Voodoo	21972
ZT Group	21972

- **Setup Codes for DVR/PVR Systems Controlled by the Satellite**

Bell ExpressVu	00775, 01170
DirecTV	01377, 00392, 00639, 01142, 01076, 00099, 01392, 01442, 01443, 01444, 01640
Dish Network System	01505, 00775
Dishpro	01505, 00775
Echostar	01505, 00775, 01170
Expressvu	00775
Hughes Network Systems	01142, 01442, 01443, 01444
JVC	01170
Motorola	00869
Philips 01142	, 01442
Proscan	00392
RCA	01392
Samsung	01442
Sony	00639, 01640
Star Choice	00869
Tivo	01142, 01442, 01443, 01444

- **Controlled by the VCR**

DirecTV	20739
Hughes Network Systems	20739
Philips	20739
Samsung	20739
Tivo	20739

CARE

- Keep the remote dry. If it gets wet, wipe it dry immediately.
- Use and store the unit only in normal temperature environments.
- Handle the remote gently and carefully. Don’t drop it.
- Wipe the remote with a damp cloth to keep it looking like new.

Modifying or tampering with the internal parts can cause damage and invalidate the warranty. If your remote is not performing as it should, please contact us at: www.uei.com.